



SEQUENCE LISTING

<110> Breaker, Ronald R.

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<120> RIBOSWITCHES, METHODS FOR THEIR USE, AND
COMPOSITIONS FOR USE WITH RIBOSWITCHES

<130> 25006.0016U2

<140> 10/669,162

<141> 2003-09-22

<150> 60/412,468

<151> 2002-09-20

<160> 377

<170> FastSEQ for Windows Version 4.0

<210> 1

<211> 202

<212> RNA

<213> Escherichia coli

<400> 1

gccgguccug ugaguuaaua gggaauccag ugcgaauucg gagcugacgc gcagcgguaa 60
ggaaaggugc gaugauugcg uuaugcggac acugccaauuc gguggggaagu caucaucucu 120
uaguaucuaa gauacccuc caagcccga gaccugccgg ccaacgucgc aucugguucu 180
caucaucgcg uaauauugau ga 202

<210> 2

<211> 165

<212> RNA

<213> Escherichia coli

<220>

<221> misc_feature

<222> 155

<223> r = a or g

<220>

<221> misc_feature

<222> 157

<223> y = c or t

<400> 2

ggaacaaaac gacucggggg gcccucucg gugaaggcug agaaaauacc guaucaccug 60
aucuggauaa ugccagcgua gggaagucac ggaccaccag gucauugcuu cuucacguua 120
uggcaggagc aaacuaugca agucgaccug cuggruycag cgcaa 165

<210> 3
<211> 240
<212> RNA
<213> Escherichia coli

<220>
<221> misc_feature
<222> (155)...(240)
<223> n = g, a, c, or t/u

<400> 3
ggaaugcccc auuugcgggg cuaauuucuu gucggagugc cuuaacuggc ugagaccguu 60
uauucgggau ccgcggaacc ugaucaggcu aaucacugcg aagggaacaa gaguuaaucu 120
gcuauvcgau cgcuccugcg gcgaucgucu cuugnnnnnn nnnnnnnnnn nnnnnnnnnn 180
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240

<210> 4
<211> 165
<212> RNA
<213> Escherichia coli

<220>
<221> misc_feature
<222> 65, 74, 107, 130
<223> s = g or c

<220>
<221> misc_feature
<222> 25, 26, 34, 35, 64, 75, 106, 131
<223> w = a or t/u

<400> 4
ggaaccaaac gacucggggg gcccwwcugc gugwggcug agaaauaccc guaucaccug 60
aucwsgauaa ugcswgcgua gggaagucac ggaccaccag gucauwscuu cuucacguua 120
uggcaggags waacuaugca agucgaccug cuggauccag cgcaa 165

<210> 5
<211> 176
<212> RNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:/Note =
synthetic construct

<220>
<221> misc_feature
<222> (39)...(166)
<223> n = g, a, c or t/u

<400> 5
ggauaaauagc cguagguugc gaaagcgacc cugaguagnn nnnnncaaga gaagcagagg 60
gacuggcccg acgaagcuuc agcaaccggu guaauggcga ucagccauga ccaaggugcu 120
aaauccagca agcucgaaca gcuuggaagn nnnnnncgaa acgguagcga gaggcuc 176

<210> 6
<211> 97
<212> RNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:/Note =
synthetic construct

<220>
<221> misc_feature
<222> 1, 6, 26, 58, 66, 76, 97
<223> n = a variable number of any nucleotide

<220>
<221> misc_feature
<222> 5, 7, 8, 11, 12, 18-20, 24, 25, 29, 30, 33-35, 38, 40, 41,
47, 50, 54-56, 59, 60, 75, 77-79, 85, 89, 93
<223> n = g, a, c or t/u

<220>
<221> misc_feature
<222> 27, 36, 48, 53, 57, 80, 87
<223> r = a or g

<220>
<221> misc_feature
<222> 67, 83
<223> y = c or t

<400> 6
nggunnnnaa nngggaannn ggunnnrann ccnnnrncgn ncccgcncn gurnnnrnnn 60
cacugnyggg aaggnnnnnr agycngrana ccngccn 97

<210> 7
<211> 56
<212> RNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:/Note =
synthetic construct

<220>
<221> misc_feature
<222> 7, 50
<223> d = g, a or t(u)

<220>
<221> misc_feature
<222> 1, 8, 15, 36, 56
<223> n = a variable number of any nucleotide

<220>
<221> misc_feature
<222> 2-5, 17-20, 21-24, 30-34, 38-40, 41-43, 45-47
<223> n = g, a, c or t/u

<220>
<221> misc_feature
<222> 54
<223> r = a or g

<400> 7
nnnnngdncu gaganannnn nnnnaccugn nnnncnunnn nnngnnncgd aggran 56

<210> 8
<211> 97
<212> RNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:/Note =
synthetic construct

<220>
<221> misc_feature
<222> 57, 62
<223> k = g or t/u

<220>
<221> misc_feature
<222> 37, 47
<223> n = a variable number of any nucleotide

<220>
<221> misc_feature
<222> 11, 17, 20, 25, 36, 46, 48, 58, 61, 77-79
<223> n = g, a, c or t/u

<220>
<221> misc_feature
<222> 6, 35, 43, 54, 59, 65-68, 74, 90, 91, 95-97
<223> r = a or g

<220>
<221> misc_feature
<222> 1-3, 15, 31, 40, 44, 51-53, 64, 84
<223> y = c or t

<400> 8
yyyucrgggc ngggygnaan ucccnaccgg yggurnnag yccrygnnga yyyrguknra 60
nkcyrrrrcc gacrgunnna gucyggau gr ragarr 97

<210> 9
<211> 86
<212> RNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:/Note =
synthetic construct

<220>
<221> misc_feature
<222> 52, 72
<223> n = a variable number of any nucleotide

<220>
<221> misc_feature
<222> 1, 7-9, 13, 14, 16, 18, 25, 26, 32, 33, 37, 39, 42, 43, 50,
51, 53-55, 62, 63, 66-69, 71, 73, 75, 76, 78, 79, 86
<223> n = g, a, c or t/u

<220>
<221> misc_feature
<222> 38, 44, 70, 77, 83
<223> r = a or g

<220>
<221> misc_feature
<222> 17, 34, 60, 74
<223> y = c or t

<400> 9
ncuuaunnnng agnngnynga gggannggcc cnnyganrnc cnnergcaacn nnnnnngugcy 60
annccnnnnr nnnynnrnng auragn 86

<210> 10
<211> 69
<212> RNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:/Note =
synthetic construct

<220>
<221> misc_feature
<222> 1, 2, 10-17, 22, 25-31, 34, 40-46, 54-60, 68, 69
<223> n = g, a, c or t/u

<220>
<221> misc_feature
<222> 5, 18, 67
<223> r = a or g

<220>
<221> misc_feature
<222> 65
<223> y = c or t

<400> 10
nnucruauan nnnnnnnrau anggnnnnnn ngunucuacn nnnnnnccgu aaannnnnnn 60
acuaygrnn 69

<210> 11
<211> 69
<212> RNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:/Note =
synthetic construct

<220>
<221> misc_feature
<222> 1, 2, 10-17, 22, 25-31, 34, 40-46, 54-60, 68, 69
<223> n = g, a, c or t/u

<220>
<221> misc_feature
<222> 5, 18, 67
<223> r = a or g

<220>
<221> misc_feature
<222> 65
<223> y = c or t

<400> 11
nnucruauan nnnnnnnrau anggnnnnnn ngunucuacn nnnnnnccgu aaannnnnnn 60
auuaygrnn 69

<210> 12
<211> 151
<212> RNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:/Note =
synthetic construct

<220>
<221> misc_feature
<222> 68, 76, 103, 133, 150
<223> y = c or t

<220>
<221> misc_feature
<222> 1, 35, 39, 42, 45, 89, 118, 121, 139, 151
<223> n = a variable number of any nucleotide

<220>
<221> misc_feature
<222> 13-18, 20, 21, 26-34, 40, 41, 43, 44, 46-50, 51-53, 59-67,
77-88, 90-101, 107-117, 122-132, 145
<223> n = g, a, c or t/u

<220>
<221> misc_feature
<222> 2, 12, 54, 55, 74, 102, 146
<223> r = a or g

<220>
<221> misc_feature
<222> 3, 149
<223> w = a or t/u

<220>
<221> misc_feature
<222> (9)...(9)
<223> h = a or c or t/u

<400> 12
nrwagagghg crnnnnnnnan naguannnnn nnnnngagnn nnnnnnnnnn nnnrragggn 60
nnnnnnnygc cgargynnnn nnnnnnnnnn nnnnnnnnnn nryuggnnnn nnnnnnnnaa 120
nnnnnnnnnn nnyugucanu ggagnrcuw y n 151

<210> 13
<211> 165
<212> RNA
<213> Bacillus subtilis

<400> 13
ggaaggacaa augaauaaaag auuguauccu ucgggggcagg guggaaaucc cgaccggcgg 60
uaguaaagca cauuugcuuu agagcccug acccgugugc auaagcacgc gguggauuca 120
guuaaagcug aagccgacag ugaaagucug gaugggagaa ggaug 165

<210> 14
<211> 128
<212> RNA
<213> Arabidopsis thaliana

<400> 14
ggugaauuga caugcaaaaag caccaggggu gcuugaacca ggauagccug cgaaaaggcg 60
ggcuauccgg gaccaggcug agaaaguccc uuugaaccug aacaggguaa ugccugcgca 120
gggagugu 128

<210> 15
<211> 135
<212> RNA
<213> Oryza sativa

<220>
<221> misc_feature
<222> (33)...(83)
<223> n = g, a, c or t/u

<400> 15
ggugaauuga caugcaaaaag caccaggggu gcnnnnnnnn nnnnnnnnnn nnnnnnnnnn 60
nnnnnnnnnn nnnnnnnnnn nnngcugaga aagucccuu gaaccugaac aggauaavg 120
cugcgaagg agugu 135

<210> 16
<211> 135
<212> RNA
<213> *Poa secunda*

<220>
<221> misc_feature
<222> (33)...(83)
<223> n = g, a, c or t/u

<400> 16
ggugaauuga caugcaaaag caccaggggu gcnnnnnnnn nnnnnnnnnn nnnnnnnnnn 60
nnnnnnnnnn nnnnnnnnnn nnngcugaga aaguccuuu gaaccugaac aggauaaugc 120
cugcguaggg agugu 135

<210> 17
<211> 176
<212> RNA
<213> *Neurospora crassa*

<220>
<221> misc_feature
<222> (15)...(123)
<223> n = g, a, c or t/u

<400> 17
gcuaccgggu guccnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 60
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120
nnnggucuga gaaauaccgg cgaacuugau cuggauaaua ccagcgaaag gauggc 176

<210> 18
<211> 66
<212> RNA
<213> *Arabidopsis thaliana*

<220>
<221> misc_feature
<222> 9, 58
<223> d = g, a or t(u)

<220>
<221> misc_feature
<222> 23, 44
<223> n = a variable number of any nucleotide

<220>
<221> misc_feature
<222> 1-7, 10-16, 25-32, 40-42, 46-51, 53-55, 64-66
<223> n = g, a, c or t/u

<220>
<221> misc_feature
<222> 62
<223> r = a or g

<400> 18
nnnnnnngdn nnnnnncuga ganannnnnn nnaccugaun nngnunnnnn ncnnncgdag 60
grannn 66

<210> 19
<211> 103
<212> RNA
<213> Escherichia coli

<220>
<221> misc_feature
<222> (12)...(51)
<223> n = g, a, c or t/u

<400> 19
accaaacgac uncggggugn nnnnnnnnnn nnnnncugag annnnnnnnn naauaccgu 60
aucaccugau cuggauaaug ccagcguagg gaagucacgg acc 103

<210> 20
<211> 97
<212> RNA
<213> Escherichia coli

<220>
<221> misc_feature
<222> (12)...(29)
<223> n = g, a, c or t/u

<400> 20
uaauuucuug uncggagugn nnnnnnnnnc ugagaccguu uauucgggau ccgcggaacc 60
ugaucaggcu aaauaccugcg aagggaacaa gaguuaa 97

<210> 21
<211> 147
<212> RNA
<213> Clostridium acetobutylicum

<220>
<221> misc_feature
<222> (12)...(94)
<223> n = g, a, c or t/u

<400> 21
auauuuuagc unaggggugn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 60
nnnnnnnnnn nnnnnnnnnc ugagaggang aaanuccaac ccuuugaacu ugauguaguu 120
aaacuaccg uagggaagca gugcauu 147

<210> 22
<211> 202
<212> RNA
<213> Neurospora crassa

<220>
<221> misc_feature
<222> (19)...(159)
<223> n = g, a, c or t/u

<400> 22
caagacagcu accgggugnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 60
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120
nnnnnnnnnn nnnncugaga nnnnnnnnnn aauaccggnc gaacuugauc uggauaauc 180
cagcgaaagg auuggcucuc ug 202

<210> 23
<211> 190
<212> RNA
<213> *Aspergillus oryzae*

<220>
<221> misc_feature
<222> (12)...(137)
<223> n = g, a, c or t/u

<400> 23
cuuuggcgug gngccggugn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 60
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120
nncugagann nnnnnnnuua uacggcuaaa acuugaucug gauaaauacca gcgaaaggu 180
caugccucuc 190

<210> 24
<211> 150
<212> RNA
<213> *Fusarium oxysporum*

<220>
<221> misc_feature
<222> (12)...(117)
<223> n = g, a, c or t/u

<400> 24
aucaugcaug angccggugn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 60
nnnnnnnnnn nnnnnnnnnn nncugagann nnnnnnnuua uacggcnaaa acuugaucug 120
gauaaauacca gcgaaaggau caugucauc 150

<210> 25
<211> 156
<212> RNA
<213> *Fusarium solani*

<220>
<221> misc_feature
<222> (12)...(113)
<223> n = g, a, c or t/u

<400> 25
aucaugcaug angccggugn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 60
nnnnnnnnnn nnnnnnnnnn nnnnnnnncu gagannnnnn nnnuuauacg gcngaaacuu 120
gaucuggaua auaccagcga aaggaucaug cucucc 156

<210> 26
<211> 133
<212> RNA
<213> *Arabidopsis thaliana*

<220>

<221> misc_feature

<222> (12)...(81)

<223> n = g, a, c or t/u

<400> 26

```
gcaaaagcac cnaggggugn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 60
nnnnncugag annnnnnnnn naagucccu ugaaccugaa caggguaaug ccugcgcagg 120
gagugugcag uuu 133
```

<210> 27

<211> 140

<212> RNA

<213> Poa secunda

<220>

<221> misc_feature

<222> (12)...(88)

<223> n = g, a, c or t/u

<400> 27

```
aaaguugcac cnaggggugn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 60
nnnnnnnnnn nncugagann nnnnnnnnaa gucccuuga accugaacag gauaaugccu 120
gcuaggggag ugugcauuuc 140
```

<210> 28

<211> 140

<212> RNA

<213> Oryza sativa

<220>

<221> misc_feature

<222> (12)...(88)

<223> n = g, a, c or t/u

<400> 28

```
aaaguugcac cnaggggugn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 60
nnnnnnnnnn nncugagann nnnnnnnnaa gucccuuga accugaacag gauaaugccu 120
gcgaagggag ugugcauuuc 140
```

<210> 29

<211> 214

<212> RNA

<213> Bacillus anthracis

<220>

<221> misc_feature

<222> (26)...(190)

<223> n = g, a, c or t/u

<400> 29

```
cggugaggua gagguugcag ucauunaagn aguannucau uucugnnngn agnnauagug 60
nnnnnaugau ganaggaaug anngaaagga augaunnugc cgaaguaagu uguguccacc 120
aunngcaca cuugcugggu cugcauuuaa uaanngugca gaanncuguc acaaacguuu 180
nnnnnnnnnn cguuugugga gagcuaucga gagg 214
```

<210> 30
<211> 214
<212> RNA
<213> Bacillus anthracis

<220>
<221> misc_feature
<222> (25)...(191)
<223> n = g, a, c or t/u

<400> 30
cucaaaggua gaggccgcga uaggnnaaag aguannagcu auggnnnngn agnnuuaaug 60
nnnnnaannn nnnnnnnnggu unngaaaggg acuaunnugc cgaaauauaa gaauaaccuau 120
nncuuauuca uauauuggga cugcauunnn gaauaaaugu aguancuguc auaagauuuu 180
nnnnnnnnnn nuuuuaugga gagcuauug gaga 214

<210> 31
<211> 214
<212> RNA
<213> Bacillus anthracis

<220>
<221> misc_feature
<222> (26)...(165)
<223> n = g, a, c or t/u

<400> 31
cgaugaggua gagguugcga cuuuunaagn aguannaaac ggacnnnnngn agauacgaga 60
annnnngucua aganuccguu unngaaagga aaagunnugc cgaaguuuau auuucuucuc 120
unnggaaaua ugagcugggg cugugucnnu gaaanggaac agaancuguc acguuuacaa 180
aauuaccgug uaaacguggg gugcuaucuu aacg 214

<210> 32
<211> 214
<212> RNA
<213> Bacillus halodurans

<220>
<221> misc_feature
<222> (16)...(189)
<223> n = g, a, c or t/u

<400> 32
agugaggaua gaggungcaa aaaccnaagn aguanncaca auunnnnggn agnngagaa 60
gaganuccgu ugagaaauugu gnngaaaggg gaannuuugc cgaagcugga agaaucuc 120
nnnnnguucug aaggcugguu cuguauunnn aaauaaaauac agaancuguc auauagcgga 180
ugunnnnnnnu gcuaauaugga gggcuaucuc acgc 214

<210> 33
<211> 214
<212> RNA
<213> Bacillus halodurans

<220>

<221> misc_feature

<222> (16)...(187)

<223> n = g, a, c or t/u

<400> 33

```
agugauggua gaggungcga aaacchaagn aguacnacag ucnnnugagn agnaaaugag 60
aaucguugac nnnnngacug uuggaaaggg ggannuucgc cgaagugcag aucgggggcuc 120
aunucccauu ugcgucggac cuauguunnn gaauaagcau agggncuguc acaacacuag 180
ccccaancia gugcugugga gaacuaucuc acgu 214
```

<210> 34

<211> 214

<212> RNA

<213> *Bacillus halodurans*

<220>

<221> misc_feature

<222> (16)...(191)

<223> n = g, a, c or t/u

<400> 34

```
agauggggua gaggangcgg guuuunaagn aguaangcgc uugnnnnngn aggaugacaa 60
nnnnncgagg annnuaagcg cncgaaagga aaannucgc cgaagcggaa gaugagucaa 120
gnnncgucuu cuugcugggg uugcauunnn gaauaaaugu aacancuguc acagcagaun 180
nnnnnnnnnn nugcugugga gaacuacuaa cgau 214
```

<210> 35

<211> 214

<212> RNA

<213> *Bacillus subtilis*

<220>

<221> misc_feature

<222> (16)...(191)

<223> n = g, a, c or t/u

<400> 35

```
ggugaagaua gaggungcga acuuchnaagn aguaungccu uunnnnnngn agnaaagaug 60
gannnuucug ugaanaaagg cnugaaaggg gagcgnucgc cgaagcaau aaaaccccau 120
cnngguauua uuugcuggcc gugcauunnn gaauaaaugu aaggncuguc aagaaaucau 180
nnnnnnnnnn nuuucuugga gggcuaucuc guug 214
```

<210> 36

<211> 214

<212> RNA

<213> *Clostridium acetobutylicum*

<220>

<221> misc_feature

<222> (16)...(165)

<223> n = g, a, c or t/u

<400> 36
accuuuugua gaggungcuu uaagucaagn aguaanccgu uugnnnnngn agnnuuggca 60
nnnnnaacuu aganugaacg gnuaaaagg gcuuunagc cgaagcauuu agauuggcan 120
nnnngauuua uuugcuggcu uuucauannn caacauauga auggncuguc acuuuauuag 180
uuaguauuua gguaagugga gcgcuaacaag guac 214

<210> 37
<211> 215
<212> RNA
<213> Clostridium perfringens

<220>
<221> misc_feature
<222> (16)...(193)
<223> n = g, a, c or t/u

<400> 37
gaccaaagua gaggungccg uauuunaagn aguannguca uannnnnagu agnncugaca 60
nnnnnagnnn nnnnnnuaug aunngaaagg gauunnaugg ccgaagagau auuaauggug 120
nnnnnauuaa uauuucuggg uauauguaun nnaaunaugc auuaaacugu cacuuugaaa 180
nnnnnnnnnn nnnaagugg agugcuacaa gguac 215

<210> 38
<211> 214
<212> RNA
<213> Clostridium perfringens

<220>
<221> misc_feature
<222> (16)...(192)
<223> n = g, a, c or t/u

<400> 38
aacugagaua gaggcngcga ugauunaauun aguannucuu ugcnnnnnagn agnnguaagc 60
annnnauuga annngcaaaa gnugaaagga ugannaucgc cgaaaccauu agaagaggcu 120
uuaauucua uagguugggg uugcauannn gaauauaugu aacancuguc acaaaauaun 180
nnnnnnnnnn nnuuuguggu gugcuaucau gaaa 214

<210> 39
<211> 214
<212> RNA
<213> Clostridium perfringens

<220>
<221> misc_feature
<222> (16)...(194)
<223> n = g, a, c or t/u

<400> 39
aaaagaggua gaggcngcga gaaucaagn auuanncuaa aaunnnnggn agnnuuaagu 60
nnnnnagcgu agaaguuuua gnngaaagg auuaunncgc cgaaguuuuu ggcuauacu 120
uuaanggcua aaugcugggg uuguauannn gaauauauac aacancuguc acaaaannnn 180
nnnnnnnnnn nnnnugugga gagcuaucau cuua 214

<210> 40
<211> 225
<212> RNA
<213> Escherichia coli

<220>
<221> misc_feature
<222> (16)...(204)
<223> n = g, a, c or t/u

<400> 40
caggccagaa gaggcngcgu ugcccnannn aguaacggug uugnnnnngn agnngagcca 60
gnnnnuccug uganuaacac cnnnnnuggg ggugcaucgc cgaggugauu gaacggcugg 120
ccanncgauu aucaucggcu acaggggncu gaauncccu gggnnuuguc accannnnnn 180
nnnnnnnnnn nnnnnnnnnn nnnnuggugg agcacuucug gguga 225

<210> 41
<211> 214
<212> RNA
<213> Haemophilus influenzae

<220>
<221> misc_feature
<222> (16)...(191)
<223> n = g, a, c or t/u

<400> 41
uacaaaagua gaggcngcaa uuauunauan aguannuuuu uucnnnnnagn agnnuggaua 60
annnnncaag aanngaaaaa anngaaagga auagunnugc cgaaaucaaa uaaaagucgn 120
nnnnuuuugu uugguuggug gcgugcucnn gaaanggggc gacancuguc auaguuuuuc 180
ugauunnnnn naacuaugga gugcuacggu uguu 214

<210> 42
<211> 215
<212> RNA
<213> Oceanobacillus iheyensis

<220>
<221> misc_feature
<222> (16)...(192)
<223> n = g, a, c or t/u

<400> 42
guuuuggaua gaggungcgg agaccnaucn aguannuaua cgcnnnnnga agnnggaaau 60
gagnnccnnn nnnnngcgua ugnngaaagg ggaannucug ccgaagcgag ugaaauacuc 120
auucauuann acucguuggu gcugcuauun ngaacaaaua acaguccugu cauauaggag 180
annnnnnnnn nncuauaugg agggcuacug agcug 215

<210> 43
<211> 214
<212> RNA
<213> Oceanobacillus iheyensis

<220>

<221> misc_feature

<222> (16)...(192)

<223> n = g, a, c or t/u

<400> 43

```
ucggugggua gaggangcau acaachauun aguannaucg acnnnnaagn aggaugacaa 60
nnnnncgaug auannguugg unnggaaggg uuguunnugc cgaagcauaa uaagggucag 120
annncuuauu auugcuggua caucuuunnn gaauaaaaga ugcancuguc augcaaaaau 180
aagnnnnnnn nnugcaugga gaacuacuga ucga 214
```

<210> 44

<211> 214

<212> RNA

<213> Pasteurella multocida

<220>

<221> misc_feature

<222> (16)...(192)

<223> n = g, a, c or t/u

<400> 44

```
uacuugugua gaggangcga ucacunauan aguannuuuu uucunnnngn agnnuggaua 60
annnnncgaag annggaaaaa gnngaaagga gugacnncgc cgaaaucaau ugaaagucan 120
nnnnuuuuga uugguuggug gcguauucnn gaaanggaac gucanuuguc auagucuuuu 180
uuaannnnnn nnacuaugga gcgcuacugg uugg 214
```

<210> 45

<211> 214

<212> RNA

<213> Staphylococcus aureus

<220>

<221> misc_feature

<222> (16)...(191)

<223> n = g, a, c or t/u

<400> 45

```
auauuuugau gaggcngcau caauchauun aguannaagu uuannnnngn aunnuacugu 60
cugcnuaaca gcnnugaauu unngaaaggg ugcnngaugc cgaagcgauu auauuagcan 120
nnnguauaaa uuuguuggac uuuuuggunn uaagagcuga gagunuuguc auuauuuuuu 180
nnnnnnnnnn naauaaugga gugcaucacu ugua 214
```

<210> 46

<211> 216

<212> RNA

<213> Staphylococcus aureus

<220>

<221> misc_feature

<222> (26)...(196)

<223> n = g, a, c or t/u

<400> 46
aaugaguua gagguugcau guuuanauun aguannacuu gunnnncaga agnnuauuuu 60
uggnnuannnn nnnnnnnaca agunngaaag guaaagnnau gccgaaauag auauaaacca 120
uaaannnuua uaucuauugg gacaguuuun ncgaauagga acuguancug ucacagaann 180
nnnnnnnnnn nnnnnnugug augugcuacc uuauau 216

<210> 47
<211> 214
<212> RNA
<213> *Staphylococcus epidermidis*

<220>
<221> misc_feature
<222> (16)...(192)
<223> n = g, a, c or t/u

<400> 47
agauuuugau gaggcngcau caaucnaugn aguannaacu uuannnnngn aunnuauuuug 60
ucugcuaaca auuauagagu unnaaaaggg uganngaugc cgaaugauu cauaauagca 120
nnnguuauga aucguuggac uuaauggunn uaagagcuau aagunuuguc auuauuuua 180
annnnnnnnn nnauaaugga gugcaucacu ugua 214

<210> 48
<211> 216
<212> RNA
<213> *Staphylococcus epidermidis*

<220>
<221> misc_feature
<222> (26)...(196)
<223> n = g, a, c or t/u

<400> 48
aauagaguua gagguugcau uauuanaugn acuannacuu aunnnncaga agnnucguau 60
ggnnngannnn nnnnnnnaua agunngaaag guaaauaunn gccgaauga uguuauuuucc 120
aunnaaaaua gcuauguugg gacaacuuun ncgaauagaa guuguancug ucacuuuann 180
nnnnnnnnnn nnnnnnugug augugcuacc uuauau 216

<210> 49
<211> 225
<212> RNA
<213> *Shigella flexneri*

<220>
<221> misc_feature
<222> (16)...(104)
<223> n = g, a, c or t/u

<400> 49
caggccagaa gaggcngcgu ugcccnannnn aguaacggug uugnnnnngn agnngagcca 60
gnnnnuccug uganuaacac cnnnugaggg ggugcaucgc cgaggugauu gaacggcugg 120
ccanncgauuc aucaucggcu acaggggncu gaauncccu gggnnuuguc accannnnnn 180
nnnnnnnnnn nnnnnnnnnn nnnnuggugg agcacuucug gguga 225

<210> 50
<211> 214
<212> RNA
<213> *Shewanella oneidensis*

<220>
<221> misc_feature
<222> (16)...(194)
<223> n = g, a, c or t/u

<400> 50
aggaacagaa gaggangcgu uaacunanann gguannnguca aucangaggn agcacaaaacu 60
ccagcgannnn nnnugauuga unnnngagggg ganuuagcgc cgaggcauag augugguugc 120
ugnncauguu uaugucgguc gcuuaggncu gaaunccuaa cgannuuguc accuguaauu 180
nnnnnnnnnn nnnnggugga gagcuucugg ugac 214

<210> 51
<211> 214
<212> RNA
<213> *Shewanella oneidensis*

<220>
<221> misc_feature
<222> (16)...(192)
<223> n = g, a, c or t/u

<400> 51
ccuuuaagua gaggcngcgc ugccunaugn acuanncuug ugcgnnnngn agnnnggugau 60
gnnnnccgca ganuguacaa gnngaaagga gunncagcgc cgaaguagcc aggucaucaa 120
nnnnnnnaccg agcgucgguu uugcauncaa auagnugca aganncugcc auagucaucc 180
nnnnnnnnnn nnacuauugga gcgcuaaccug aagg 214

<210> 52
<211> 218
<212> RNA
<213> *Thermatoga maritima*

<220>
<221> misc_feature
<222> (16)...(194)
<223> n = g, a, c or t/u

<400> 52
ugacccgacg gaggcngcgc ccgagnaugn aguannggcu gucccnnnnn nngnaggauu 60
cgnnnnnnnn nnnnnnggga cggcunngaa aggcgagggg ncgccgaagg gugcagaguu 120
ccuccengcu cugcaugccu ggggguaugg gnnngaauac ccuauaccanc ugucacggag 180
gucnnnnnnnn nnnnucuccg uggagagccg aucggguc 218

<210> 53
<211> 215
<212> RNA
<213> *Thermoanaerobacter tengcongensis*

<220>

<221> misc_feature

<222> (16)...(188)

<223> n = g, a, c or t/u

<400> 53

```
aggugaggua gaggcngcgg gucaucaagn aguannacau gccnnnnagn agnnguguua 60
nnnnnagnnn nnnnnnnnggu gugunngaaa ggggugnncc cgccgaagcg cguaaacuuc 120
cuuanagguu uacgcagcug ggcuaugccn nngaacaguu auaggancug ucacucaagg 180
cuccccangg ccuucagugg agagcuaucu cgcua 215
```

<210> 54

<211> 218

<212> RNA

<213> Thermoanaerobacter tengcongensis

<220>

<221> misc_feature

<222> (16)...(195)

<223> n = g, a, c or t/u

<400> 54

```
cgcauaaaaua gaggangcug ccaagcaunn nguauuuggc gagnnnnnnn nnngaagaac 60
cuccaaauann nnnnnnnnnc ugcugnaag aagguuuggc nnugccgaaa gggugagcuu 120
guucunnnug agcucauccu uggugguaaa cnnnacaaan guuuaccanc ugucauggga 180
ccnnnnnnnn nnnnnuccca ugaagcgcuu uuuaugca 218
```

<210> 55

<211> 214

<212> RNA

<213> Vibrio cholerae

<220>

<221> misc_feature

<222> (16)...(192)

<223> n = g, a, c or t/u

<400> 55

```
ucuagcagaa gaggangcac ugcccnaggc agnauguuuu gugnnnnngn agccucaacu 60
ccaannnnnn nnnnuacaga acauucaggg ggaguagugc cgaggugaau caaaguugun 120
nnggcuuugg uuuaucgggu gaacgggncu gaauncccuu caanncuguc aucagcucga 180
aunnnnnnnn nncugaugaa gagcuucuga ggga 214
```

<210> 56

<211> 214

<212> RNA

<213> Vibrio cholerae

<220>

<221> misc_feature

<222> (16)...(192)

<223> n = g, a, c or t/u

<400> 56
uuucgccgua gaggangcgg uuacgnaaan aguannucca caguunnnngn ggngugaugc 60
nnnnncaaag nnaauugugg annaaaaggc guunngccgc cgaagucaac uugcccaunn 120
nncaacgcag uuggcugggg uuacauunnn caauaggugu aacancugcc auagucuaua 180
uuguuguuaa nnacuaugga gcgcucacugu aggg 214

<210> 57
<211> 214
<212> RNA
<213> *Vibrio cholerae*

<220>
<221> misc_feature
<222> (16)...(193)
<223> n = g, a, c or t/u

<400> 57
ccuuuaagua gaggcngcgc uguucnaugn agucgnccag ucnnnnnnngu agnguugacc 60
ccnnngaugn nnnaugacug gnuuaaaggg unnacagcgc cgaagugauc guugcgucau 120
nnnnncaacg uucgcugggc cagcauunnn gaacaaugc cggancugcc auaguguguu 180
gunnnnnnnn nnncuaugga gcgcuaaccu gaag 214

<210> 58
<211> 214
<212> RNA
<213> *Vibrio vulnificus*

<220>
<221> misc_feature
<222> (16)...(190)
<223> n = g, a, c or t/u

<400> 58
uuuugcagaa gaggangcac ugcccnaggc agnauguuuu gugnnnnnngn agccgcaacu 60
ccaannnnnn nnnncacaga acauucaggg ggaguagugc cgagguagau caaaaauugca 120
nnngauuuga ucugucgggu gacuuggguu gaguncgau caanncuguc aucagcucan 180
nnnnnnnnnn gccugaugaa gagcuucuga gaug 214

<210> 59
<211> 214
<212> RNA
<213> *Vibrio vulnificus*

<220>
<221> misc_feature
<222> (16)...(192)
<223> n = g, a, c or t/u

<400> 59
uauugcagua gaggcngcaa ugguanaagn aguannacua uuauunnnngn ggngugauun 60
nnnnngccaa ugaauauag unngaaaggu aunccauugc cgaagugaau ugcauaucaa 120
annnnngcag uuugcugggg uugcauccnn gaaanggaac aacancugcc auaguauuuu 180
augauauann nnacuaugga gcgcucacugu aggu 214

<210> 60
<211> 136
<212> RNA
<213> Bacillus subtilis

<220>
<221> misc_feature
<222> (12)...(131)
<223> n = g, a, c or t/u

<220>
<221> misc_feature
<222> 1, 25, 33, 37, 40, 43, 82, 106, 109, 125
<223> n = a variable number of any nucleotide

<220>
<221> misc_feature
<222> 2, 11, 52, 53, 70, 92, 132
<223> r = a or g

<220>
<221> misc_feature
<222> 3, 135
<223> w = a or t/u

<220>
<221> misc_feature
<222> 64, 72, 93, 119, 136
<223> y = c or t

<400> 60
nrwagagggc rnnnnnnnann aguannnnnn nnngagnnnn nnnnnnnnnn nrraggnnnn 60
nnnygccgar gynnnnnnnn nnnnnnnnnn nryuggnnnn nnnnnnaann nnnnnnnnyu 120
gucanuggag nrcuwy 136

<210> 61
<211> 237
<212> RNA
<213> Bacillus subtilis

<400> 61
aauuucacag uuagaucgug uuauauggug aagauagagg ugcgaacuuc aagaguaugc 60
cuuuggagaa agauggauuc ugugaaaaag gcugaaaagg gagcgucgcc gaagcaaaau 120
aaaccccauc gguauuuuuu gcuggccgug cauugaauaa auguaaggcu gucaagaaa 180
cauuuucuuug gagggcuauc ucuuguuca uaucauuua ugaugauuaa uugauaa 237

<210> 62
<211> 239
<212> RNA
<213> Bacillus subtilis

<220>
<221> misc_feature
<222> 11
<223> r = a or g

<220>
<221> misc_feature
<222> 78, 117, 177, 210, 232
<223> s = g or c

<220>
<221> misc_feature
<222> 10
<223> v = g, c or a

<220>
<221> misc_feature
<222> 123, 176, 211, 231
<223> w = a or t/u

<220>
<221> misc_feature
<222> 167
<223> y = c or t

<400> 62
gaagauagav rugcgaacuu caagaguaug ccuuuggaga aagauggauu cugugaaaaa 60
ggcugaaaagg ggagcgusgc cgaagcaaaau aaaaccccau cgguauuauu ugcuggscgu 120
gcuuugaaua aauguaaggc ugucaagaaa ucauuuucuu ggaggggyau cucguwsuuc 180
auaaucuuu augaugaua auugauaags waugagagua uuccucucau wscuuuuuu 239

<210> 63
<211> 82
<212> RNA
<213> Bacillus subtilis

<220>
<221> misc_feature
<222> (31)...(68)
<223> n = g, a, c or t/u

<400> 63
caucccuuuc guauauacuu ggagauaagg nuccaggagu uucuaccaga ucaccguaaa 60
ugaucugnac uaugaaggug ga 82

<210> 64
<211> 82
<212> RNA
<213> Bacillus subtilis

<220>
<221> misc_feature
<222> (31)...(68)
<223> n = g, a, c or t/u

<400> 64
acaucuuuc guauaauggc aggaauaggg nccugcgagu uucuaccaag cuaccguaaa 60
uagcuugnac uacgaaaaua au 82

<210> 65
<211> 82
<212> RNA
<213> Bacillus halodurans

<220>
<221> misc_feature
<222> (31)...(68)
<223> n = g, a, c or t/u

<400> 65
aaaguaccuc auauaaucuu gggaaauagg ncccaaaagu uucuaccugc ugaccguaaa 60
ucggcggnac uauggggaaa ga 82

<210> 66
<211> 82
<212> RNA
<213> Bacillus halodurans

<220>
<221> misc_feature
<222> (16)...(67)
<223> n = g, a, c or t/u

<400> 66
aacacucuuc guauanuccu cucaauaugg ngaugaggggu cucuacaggu annccguaaa 60
uaccunnagc uacgaaaaga au 82

<210> 67
<211> 82
<212> RNA
<213> Bacillus halodurans

<220>
<221> misc_feature
<222> (31)...(68)
<223> n = g, a, c or t/u

<400> 67
aaaagcacuc guauaaucgc gggaaauaggg ncccgaagu uucuaccagg cugccguaaa 60
cagccugnac uacgagugau ac 82

<210> 68
<211> 82
<212> RNA
<213> Bacillus subtilis

<220>
<221> misc_feature
<222> (31)...(68)
<223> n = g, a, c or t/u

<400> 68
agaugaauuc guauaaucgc gggaauaugg ncucgcaagu cucuaccaag cuaccguaaa 60
uggcuugnac uacguaaaaca uu 82

<210> 69
<211> 82
<212> RNA
<213> Bacillus subtilis

<220>
<221> misc_feature
<222> (31)...(68)
<223> n = g, a, c or t/u

<400> 69
acacgaccuc auauaaucuu gggaauaugg ncccauaagu uucuaccgga caaccguaaa 60
uugccgggnac uaugcaggaa ag 82

<210> 70
<211> 82
<212> RNA
<213> Bacillus subtilis

<220>
<221> misc_feature
<222> (31)...(68)
<223> n = g, a, c or t/u

<400> 70
aggaacacuc auauaaucgc guggauaugg ncacgcaagu uucuaccggg canccguaaa 60
nuguccgnac uaugggugag ca 82

<210> 71
<211> 82
<212> RNA
<213> Bacillus subtilis

<220>
<221> misc_feature
<222> (31)...(68)
<223> n = g, a, c or t/u

<400> 71
agacauucuu guauaugauc aguaauaugg nucugauugu uucuaccuag uaaccguaaa 60
aaacuagnac uacaagaaag uu 82

<210> 72
<211> 82
<212> RNA
<213> Bacillus subtilis

<220>
<221> misc_feature
<222> (31)...(68)
<223> n = g, a, c or t/u

<400> 72
auuauacacuu guauaaccuc aaauaauagg nuuugaggggu gucuaccagg aanccguaaa 60
auccugnnau uacaaaaauuu gu 82

<210> 73
<211> 82
<212> RNA
<213> Clostridium acetobutylicum

<220>
<221> misc_feature
<222> (31)...(68)
<223> n = g, a, c or t/u

<400> 73
uaauuuucuc guauancacc gguaauaagg nuccggaagu uucuaccugc ugnccauaaa 60
nuagcagnac uacggggugu ua 82

<210> 74
<211> 82
<212> RNA
<213> Clostridium acetobutylicum

<220>
<221> misc_feature
<222> (31)...(68)
<223> n = g, a, c or t/u

<400> 74
cauauuaccc guauaugcuu agaaauaagg nucuaagcgu cucuaccgga cugccguaaa 60
uugucugnac uauggguguu ua 82

<210> 75
<211> 82
<212> RNA
<213> Clostridium acetobutylicum

<220>
<221> misc_feature
<222> (16)...(68)
<223> n = g, a, c or t/u

<400> 75
aguuuuacuc auauanuuc cugaauaagg nncaggaugu uucuacaagg aanccuuaaa 60
nuuucuunac uauagagugau uu 82

<210> 76
<211> 82
<212> RNA
<213> Clostridium perfringens

<220>
<221> misc_feature
<222> (31)...(68)
<223> n = g, a, c or t/u

<400> 76
uaaguaauauc guauaugcuc gacgauaugg nguugagugu uucuacuagg aggccguaaa 60
cauccuanac uacgaauaua ua 82

<210> 77
<211> 82
<212> RNA
<213> Clostridium perfringens

<220>
<221> misc_feature
<222> (31)...(68)
<223> n = g, a c or t/u

<400> 77
auuuuaacuc guauauaauc gguaauaugg nuccgaaagu uucuaccugc uaaccguaaa 60
auagcagnac uacgaggagu ug 82

<210> 78
<211> 82
<212> RNA
<213> Clostridium perfringens

<220>
<221> misc_feature
<222> (16)...(68)
<223> n = g, a, c or t/u

<400> 78
aaacaaacuc guauanagcu uugaauaagg nncaaggcgu uucuaccgga aanccuuaaa 60
nuuuccgnuc uaugagugaa uu 82

<210> 79
<211> 82
<212> RNA
<213> Clostridium perfringens

<220>
<221> misc_feature
<222> (31)...(68)
<223> n = g, a, c or t/u

<400> 79
auuuugcuuc guauaacucu aaugauaugg nauuagaggu cucuaccaag aanccgagaa 60
nuucuugnau uacgaagaaa gc 82

<210> 80
<211> 82
<212> RNA
<213> Fusobacterium nucleatum

<220>
<221> misc_feature
<222> (16)...(61)
<223> n = g, a, c or t/u

<400> 80
auaaaauuc guauanagcc uauauaugg nnaagggugu ccuacgguu aanccauaaa 60
nuuaaccagc uacgaaaaau gu 82

<210> 81
<211> 82
<212> RNA
<213> *Lactococcus lactis*

<220>
<221> misc_feature
<222> (16)...(68)
<223> n = g, a, c or t/u

<400> 81
acaauuuau uuauannncc uaggauaugg nncugggcgu uucuaccucg uanccguaaa 60
nugcgagnac aaauaggaaa uu 82

<210> 82
<211> 82
<212> RNA
<213> *Listeria monocytogenes*

<220>
<221> misc_feature
<222> (31)...(68)
<223> n = g, a, c or t/u

<400> 82
uaauauaguc guauaaguuc gguaauaugg naccguucgu uucuaccagg caaccguaaa 60
augccagngc uacgagcuau ug 82

<210> 83
<211> 82
<212> RNA
<213> *Listeria monocytogenes*

<220>
<221> misc_feature
<222> (31)...(68)
<223> n = g, a, c or t/u

<400> 83
cgaaauacuu guauaaauagu ugcgaunugg ngcgacgagu uucuaccugg uuaccguaaa 60
uaaccggnac uaugaguagu uu 82

<210> 84
<211> 82
<212> RNA
<213> *Oceanobacillus iheyensis*

<220>
<221> misc_feature
<222> (31)...(68)
<223> n = g, a c or t/u

<400> 84
aaugccuuuc guauauccuc gauaauaugg nuucgaaagu aucuaccggg ucaccguaaa 60
ugaucugnac uaugaaggca ga 82

<210> 85
<211> 82
<212> RNA
<213> *Oceanobacillus iheyensis*

<220>
<221> misc_feature
<222> (31)...(68)
<223> n = g, a, c or t/u

<400> 85
auagaaaugc guauaaauuaa ggggauaugg nccccacagu uucuaccaga ccaccguaaa 60
ugguuugnac uacgcaguaa uu 82

<210> 86
<211> 82
<212> RNA
<213> *Oceanobacillus iheyensis*

<220>
<221> misc_feature
<222> (31)...(68)
<223> n = g, a, c or t/u

<400> 86
aaugaaccuc auauaaaauuu gagaauaugg ncucagaagu uucuaccag canccguaaa 60
uggcuggnac uaugagggaa ga 82

<210> 87
<211> 82
<212> RNA
<213> *Oceanobacillus iheyensis*

<220>
<221> misc_feature
<222> (31)...(68)
<223> n = g, a, c or t/u

<400> 87
uaguuuuuuc auauaaucgc ggggauaugg nccugcaagu uucuaccggu uuaccguaaa 60
ugaaccgnac uauggaaaag cg 82

<210> 88
<211> 82
<212> RNA
<213> *Staphylococcus aureus*

<220>
<221> misc_feature
<222> 68
<223> n = g, a, c or t/u

<400> 88
acaauaacuc auauaaucua aagaauaugg cuuuagaagu uucuaccaug uugccuugaa 60
cgacaugnac uaugaguaac aa 82

<210> 89
<211> 82
<212> RNA
<213> *Staphylococcus epidermidis*

<220>
<221> misc_feature
<222> 68
<223> n = g, a, c or t/u

<400> 89
uauaugacuc auauaaucua gagaauaugg cuuuagaagu uucuaccgug ugcgauaaa 60
cgacacgnac uaugaguaac aa 82

<210> 90
<211> 82
<212> RNA
<213> *Streptococcus agalactiae*

<220>
<221> misc_feature
<222> (16)...(67)
<223> n = g, a, c or t/u

<400> 90
ugauuuacuu auuuanugcu gaggaunugg nncuuagcgu cucuacaaga canccgunaa 60
nugucunaac aaauaaguaag cu 82

<210> 91
<211> 82
<212> RNA
<213> *Streptococcus pyogenes*

<220>
<221> misc_feature
<222> (16)...(67)
<223> n = g, a, c or t/u

<400> 91
ugacauacuu auuuanugcu gugaaunugg nncgcagcgu cucuacaaga canccnuuaa 60
nugucunaac aaauaaguaag cu 82

<210> 92
<211> 82
<212> RNA
<213> *Streptococcus pneumoniae*

<220>
<221> misc_feature
<222> (16)...(67)
<223> n = g, a, c or t/u

<400> 92
cguuuuacuu guuuanuguc gugaauugg nncacgacgu uucuacaagg ugnccnggaa 60
ncaccunaac aaauaaguaag uc 82

<210> 93
<211> 82
<212> RNA
<213> Thermoanaerobacter tengcogensis

<220>
<221> misc_feature
<222> (31)...(68)
<223> n = g, a, c or t/u

<400> 93
agaagcacuc auauaaucucc gagaauaugg ncucgggagu cucuaccgaa caaccguaaa 60
uuguucgnac uaugagugaa ag 82

<210> 94
<211> 82
<212> RNA
<213> Vibrio vulnificus

<220>
<221> misc_feature
<222> (31)...(68)
<223> n = g, a, c or t/u

<400> 94
ucaacgcuuc auauaaucucc aaugauaugg nuuugggagu uucuaccaag agnccuuaaa 60
ncucuugnau uaugaagucu gu 82

<210> 95
<211> 69
<212> RNA
<213> Bacillus subtilis

<220>
<221> misc_feature
<222> (1)...(69)
<223> n = g, a, c or t/u

<220>
<221> misc_feature
<222> 5, 18, 67
<223> r = a or g

<220>
<221> misc_feature
<222> 65
<223> y = c or t

<400> 95
nnucruauan nnnnnnnrau auggnnnnnn ngunucuacc nnnnnnccgu aaannnnnnng 60
acuaygrnn 69

<210> 96
<211> 201
<212> RNA
<213> Bacillus subtilis

<400> 96
gggaauauaa uaggaacacu cauauaaucg cguggauaug gcacgcaagu uucuaccggg 60
caccguaaaau guccgacuaa gggugagcaa uggaaccgca cguguacggu uuuuugugau 120
aucagcauug cuugcucuuu auuugagcgg gcaaugcuu uuuuauucuc auaacggagg 180
uagacaggau ggauccacug a 201

<210> 97
<211> 93
<212> RNA
<213> Bacillus subtilis

<220>
<221> misc_feature
<222> 20
<223> k = g or t/u

<220>
<221> misc_feature
<222> 19, 32, 44, 58, 59, 73, 74, 82, 83
<223> s = g or c

<220>
<221> misc_feature
<222> 18, 25, 26, 33, 43, 84
<223> w = a or t/u

<400> 97
gggaauauaa uaggaacwsk cauawwauwg cswggauaug gcwsgcaagu uucuaccssg 60
caccguaaaau gussgacuaa gsswgagcaa ugg 93

<210> 98
<211> 87
<212> RNA
<213> Bacillus subtilis

<220>
<221> misc_feature
<222> 52, 73
<223> n = a variable number of any nucleotide

<220>
<221> misc_feature
<222> 8, 13, 14, 26, 32, 33, 37, 41, 42, 50, 51, 54, 55, 63, 67
<223> n = g, a, c or t/u

<220>
<221> misc_feature
<222> 18, 38, 44, 53, 68, 71, 72, 78, 79, 84, 87
<223> r = a or g

```
<220>
<221> misc_feature
<222> 1, 17, 25, 34, 60, 74, 75
<223> y = c or t

<400> 98
ycuuuacnag agnnggyrga gggaynggcc cnnyganrcc nncrgcaacn nnrngugcy 60
aanuccnrca rrnyugrra gauragr 87

<210> 99
<211> 251
<212> RNA
<213> Bacillus subtilis

<220>
<221> misc_feature
<222> (152)...(251)
<223> n = g, a, c or t/u

<400> 99
ggacuuccug acacgaaaau uucauauccg uucuuaucac gagaagcaga gggacuggcc 60
cgacgaagcu ucagcaaccg guguaauggc gaucagccau gaccaaggug cuaaauccag 120
caagcucgaa cagcuuggaa gauaagaaga gnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn 180
nnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn 240
nnnnnnnnnn n nnnnnnnnnnn 251

<210> 100
<211> 124
<212> RNA
<213> Bacillus subtilis

<220>
<221> misc_feature
<222> 106
<223> k = g or t/u

<220>
<221> misc_feature
<222> 13, 14, 46, 47
<223> r = a or g

<220>
<221> misc_feature
<222> 19, 42, 97
<223> s = g or c

<220>
<221> misc_feature
<222> 98
<223> v = g, c or a

<220>
<221> misc_feature
<222> 8, 9, 17, 18, 43, 44, 116, 117
<223> w = a or t/u
```

<220>
<221> misc_feature
<222> 84, 85
<223> y = c or t

<400> 100
ggguucuwuu carragwwsc agagggacug gcccgcacgaa gswwcrrcaa ccgguguaau 60
ggcgauacgc caugaccaag gugyyaaauc cagcaasvuc gaacakuug gaagawwaga 120
agag 124

<210> 101
<211> 245
<212> RNA
<213> Bacillus subtilis

<220>
<221> misc_feature
<222> (186)...(245)
<223> n = g, a, c or t/u

<220>
<221> misc_feature
<222> 149, 160, 177
<223> s = g or c

<220>
<221> misc_feature
<222> 148, 161, 176
<223> w = a or t/u

<400> 101
ggucagaaaa auugaaaucg auauuucuua ucgugagagg uggagggacu ggcccuuaga 60
aaccucagca accggcuugu uuugcauuug caaagcgcca aggugcuaaa uccagcaagc 120
guuuuuuaug cuuggaagau aagaagawsc guuaaaccs wucuucuau gaagawsggg 180
uuuuunnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240
nnnnn 245

<210> 102
<211> 167
<212> RNA
<213> Bacillus subtilis

<400> 102
gguacaaucu aaaaacuuau caagagcggc ugagggacug gaccuaugaa gcccggcaac 60
cugcauaguu uguaaggugc uacuuccagc aaaaugaauu ccuuuuugaa agauaagggc 120
ugcaugcugu uccugucuuu cuuuccgccg gauugaaagu uuuuuuu 167

<210> 103
<211> 160
<212> RNA
<213> Bacillus anthracis

<400> 103
ggagcuuauuc aagagaagcg gagggaaucug gcccggcgaa gcucggcaac cugcuuauag 60
aaagcaaggu gcuaaaucca gcaaaaugga auccauuuug aaagauaagg uaaaauauau 120
uaccgaacag ucuuuucgaa augggaaaga uuuuuuuuau 160

<210> 104
<211> 80
<212> RNA
<213> Bacillus subtilis

<400> 104
acacgaccuc auauaaucuu gggaaauagg ccacuaaguu ucuaccggc aaccguaaaau 60
ugccggacua ugcaggaaag 80

<210> 105
<211> 80
<212> RNA
<213> Bacillus subtilis

<220>
<221> misc_feature
<222> (52)...(60)
<223> n = g, a, c or t/u

<400> 105
aggaacacuc auauaaucgc guggauaagg cacgcaaguu ucuaccgggc anccguaaaan 60
uguccgacua ugggugagca 80

<210> 106
<211> 80
<212> RNA
<213> Bacillus subtilis

<220>
<221> misc_feature
<222> 52, 60
<223> n = g, a, c or t/u

<400> 106
auuauacuu guauaaccuc aaauaauagg uuugagggug ucuaccagga anccguaaaan 60
auccugauua caaaaauugu 80

<210> 107
<211> 80
<212> RNA
<213> Clostridium perfringens

<220>
<221> misc_feature
<222> 52, 60
<223> n = g, a, c or t/u

<400> 107
auuuugcuuc guauaacucu aaugauaagg auuagagguc ucuaccaaga anccgagaan 60
uucuugauua cgaagaaagc 80

<210> 108
<211> 80
<212> RNA
<213> *Vibrio vulnificus*

<220>
<221> misc_feature
<222> 52, 60
<223> n = g, a, c or t/u

<400> 108
ucaacgcuuc auauaaucuu aaugauaugg uuugggaguu ucuaccaaga gnccuuaaan 60
cucuugauua ugaagucugu 80

<210> 109
<211> 69
<212> RNA
<213> *Bacillus subtilis*

<400> 109
cacucauaua aucgcgugga uauggcacgc aaguuuuac cgggcaccgu aaauguccga 60
cuaugggug 69

<210> 110
<211> 63
<212> RNA
<213> *Bacillus subtilis*

<400> 110
uuguauaacc ucaauaaauu gguuugaggg ugucuaccag gaaccguaaa auccugauua 60
caa 63

<210> 111
<211> 102
<212> RNA
<213> *Bacillus subtilis*

<400> 111
uuguauaacc ucaauaaauu gguuugaggg ugucuaccag gaaccguaaa auccugauua 60
caaaauugu uuaugacauu uuuuguauc aggaauuuuu uu 102

<210> 112
<211> 486
<212> RNA
<213> *Bacillus subtilis*

<220>
<221> misc_feature
<222> (21)...(307)
<223> n = g, a, c or t/u

```
<400> 112
atatccgttc ttatcaagag nnnnaagcaga gggannctgg nnnncccgac gaagcttnnc 60
agcaaccggt gtaatggcnn nnnnnnnnnn rnnnnnnnnn nnngatcann nnnnnnnnnn 120
nnnnnnnnnn nnnnngccat gaccaagggtg ctaaattcca gnnnnnncaa gctnnnnnnn 180
nnnncgaaca nnnnnnnnnn ngcttggaag ataagaagag acaaaatcac tgacaaannn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnngt cttcttnnnn nnnnnnnnnn cttnnnnnnn 300
nnnnnnnaag aggacttttt tatttctctt ttttccttgc tgatgtgaat aaaggaggca 360
gacaatggga ctttttagaag atttgcaaag acagggtgta atcgggtgacg gcgccatggg 420
gacgctcttc tactcctatg gcattgacag gtgttttgag gagctcaata tttcaaagcc 480
ggagga 486
```

```
<210> 113
<211> 486
<212> RNA
<213> Bacillus subtilis
```

```
<220>
<221> misc_feature
<222> (21)...(305)
<223> n = g, a, c or t/u
```

```
<400> 113
tcgatatttc ttatcgtgag nnnagggtgga gggannctgg nnnnccctta gaaacctnnc 60
agcaaccggc ttgttttgc nnnnnnnnnn nnnnnnnnnn nnnatttnnn nnnnnnnnnn 120
nnnnnnnnnn nnnngcaaag cgccaagggtg ctaaattcca gnnnnnncaa gcgtnnnnnn 180
nnnnnttttt nnnnnnnnnn tgcttggaag ataagaagaa gcgttaaann nnnnnnnnnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnncc cttctctcnn nnnnnnnntt tatnnnnnnn 300
nnnnngaaga aggggttttt attttgaaaa gggaagggtg cagctatatg tcacagcacg 360
ttgaaacgaa attagctcaa attgggaacc gtacgcgatga agtcacggga acagtgaagt 420
ctcctatcta tttatcaaca gcataccgcc acagagggat cggagaatct accggatttg 480
attatg 486
```

```
<210> 114
<211> 486
<212> RNA
<213> Bacillus subtilis
```

```
<220>
<221> misc_feature
<222> (21)...(304)
<223> n = g, a, c or t/u
```

```
<400> 114
acattttctc ttatcgagag nnttgggcga gggannctgg nnnncccttt gaccccaanc 60
agcaaccgac cnnnnngta ataccattgt gaaatggggc gcactgcttt tcgcgccgag 120
actgatgtct cataannnnn nggcacgggtg ctaattcca tnnnnnnncag atnnnnnnnn 180
nnnnntgttn nnnnnnnnnn ngcttgagag atgagagagg cagtgtttta cgtagaaaaa 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnngc ctctttctcn nnnnnnnntt catnnnnnnn 300
nnnnnggaaa gaggtttttt gttgtgagaa aacctcttag cagcctgtat ccgcgggtga 360
aagagagtgt tttacatata aaggaggaga aacaatgaca accatcaaaa catcgaattt 420
aggatttccg agaatcgacc tgaaccggga atggaaaaaa gcacttgaag cgtattggaa 480
aggcag 486
```

<210> 115
<211> 486
<212> RNA
<213> Bacillus subtilis

<220>
<221> misc_feature
<222> (21)...(304)
<223> n = g, a, c or t/u

<400> 115
atatattctc ttatcgagag nnttgggcga gggatnnttg nnnncctttt gaccccaana 60
agcaaccgac cnnnnnngta attccattgt gaaatggggc gcantttttt tcgcgccgag 120
acgctggtct cttaanntnnn nggcacgggtg ctaattncca tnnntnncag atnnnnnnnn 180
nnnnnctgnn nnnnnnnnnn natctgagag ataagagagg cggacataga tgttaannnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnngc ctcttctctn nnnnnnnnnn tctnnnnnnn 300
nnnngagaag gaggtctttt tacggccaca tattaattaa ttacataatt ggaggttatg 360
atgatgggag tcacaaaaac acctttatac gaaacgttaa atgaaagctc cgctgtggcg 420
ttggcggtga agcttggcct atttccaagc aaaagcacgc tgacatgcca ggagatcgga 480
gacggc 486

<210> 116
<211> 486
<212> RNA
<213> Bacillus subtilis

<220>
<221> misc_feature
<222> (23)...(301)
<223> n = g, a, c or t/u

<400> 116
ctatatcttc ttatcaagag cannggcaga ggganncgag nnnncccgat gaagccnnnc 60
ggcaaccgac tnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnatannn nnnnnnnnnn 120
nnnnnnnnnn nnnnnnnnnn aagcacgggtg ctaattnctt gnnnnnnncag ctnnnnnnnn 180
nnnnnagcnn nnnnnnnnnn nggctgagag ataagattcg gacgagaaac gaaannnnnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnncc tctttagacg cnnnnnnnng attnnnnnnn 300
ngcagtttga agaggttttt tgatatggat gaaaatgaaa ggagctctgg catgagttag 360
ttattagcga catatctcct gaccgaaccg ggagccgata cagagaagaa agcagaacaa 420
atcgcaacag gattgacagt aggtctctgg actgatctgc cccttgtaaa acaggagcaa 480
atgcaa 486

<210> 117
<211> 486
<212> RNA
<213> Bacillus subtilis

<220>
<221> misc_feature
<222> (22)...(305)
<223> n = g, a, c or t/u

```
<400> 117
atctaaaaac ttatcaagag cnnnggctga gggannctgg annncctnat gaagccnnnc 60
ggcaacctgc annnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnntagttnn nnnnnnnnnn 120
nnnnnnnnnn nnnnnnnnnn ntgtaagggtg ctnacttcca gnnnnnnncaa aatgnnnnnn 180
nnnnaattcn nnnnnnnnnnc attttgaaag ataagggtcg catgctgttc ctgtnnnnnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnnct ttctttccnn nnnnnnnnnn gccnnnnnnn 300
nnnnnggatt gaaagttttt tattttaaga ggtaaaaagg ctatctgtat atcagcagcc 360
gcgaaatcaca ttacatggga aaagacaacc ggcagaaagc tactgtttgt ttgtctccga 420
aaggaggaaa gaagaaatgt taacgtatga taattgggaa gaaccaacga ttacatttcc 480
ggaaga 486
```

```
<210> 118
<211> 486
<212> RNA
<213> Bacillus subtilis
```

```
<220>
<221> misc_feature
<222> (21)...(306)
<223> n = g, a, c or t/u
```

```
<400> 118
tcaatatattt ctatccagag nnnaggtgga gggannctgg nnnnccctat gaaacctnnc 60
ggcaacannn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnttatnnn nnnnnnnnnn 120
nnnnnnnnnn nnnnnnnnnn nnnnnntgtg ccaattacca gnnnnnnncaa gcnnnnnnnn 180
nnnngctann nnnnnnnnnn ngcttgaaag ataggaaagc aagggtttata ccggcgtctg 240
cctgtaacag agcgcgccta tatatgaatc tctttccnnn nnnnnnnnat cttcnnnnnn 300
nnnnnnngaa agagattttt tttatgaaaa atacgatgaa aaggatgttt tgcagcatga 360
cggtttttgt tacagcaccg tacaacgaag aaggacgaaa agagcttgaa aacttgtttg 420
gctcagttgc ttatcaatct tggaaggaac aaggtagggc atatcgggag gatgaactca 480
ttcagc 486
```

```
<210> 119
<211> 486
<212> RNA
<213> Bacillus subtilis
```

```
<220>
<221> misc_feature
<222> (23)...(307)
<223> n = g, a, c or t/u
```

```
<400> 119
gcggtacttc ttatcccagag ctngggcgga ggganncagg nnnnccctat gaagccnnnc 60
agcaaccggt ttctcnnnnn nnnnnnnnnn nnntggtatt tattatgttc aactgagtnn 120
nnnnnnnnnn nnnnnngagac aaccaagggtg ctaannncct gnnnttgcaa ggnnnnnnnn 180
nttgatgat tnnnnnnnnn nccttgagcg ataagagtga aaggcacaaa gaccaaannn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnncc ctttcennnn nnnnnnnnnnt cgatnnnnnn 300
nnnnnnngga aaagggtttt ttatttcata aatatgccaa ttaacattct ctaatataac 360
tgtacattgt ataagaggga gcgagttccg tatcatatat acaagggtctt tcgggaggcc 420
ttgtgcagga ggaagcaaat catgagtaaa aatcgctcgtt tatttacatc agaatctgtt 480
acggag 486
```

<210> 120
<211> 486
<212> RNA
<213> *Bacillus subtilis*

<220>
<221> misc_feature
<222> (22)...(305)
<223> n = g, a, c or t/u

<400> 120
tatattttctc ttatcaagag annnggtgga gggannagtg nnnnccctat gaagccnnnc 60
ggcaaccatc aacnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnactnnn nnnnnnnnnnn 120
nnnnnnnnnn nnnnnnnngt tgaaatggtg ccaattncac annnnnncca agcnnnnnnnn 180
nnnngttcan nnnnnnnnnnn gctttgaaag atgagagaaa ggcattttat ataannnnnn 240
nnnnnnnnnn nnnnnnnnnnn nnnnnnnnngc ctttctgcnn nnnnnnnntca agtgtnnnnnn 300
nnnnngcaga aaggctttttc ttttgcagaa aaaaccggaa gattttcttag aatagtgtta 360
aggcaggtga ttgctttgat caatcttcag gatgtttcaa aagtttaca gtcgaaacat 420
ggagatgtca atgctgtcca aaacgtctcg ctttccatta aaaaaggtga gatttttgga 480
attata 486

<210> 121
<211> 486
<212> RNA
<213> *Bacillus subtilis*

<220>
<221> misc_feature
<222> (22)...(305)
<223> n = g, a, c or t/u

<400> 121
aagttgtacc ttatcaagag annnggtgga gggannctgg nnnccctnat gataccnnnc 60
ggcaaccgct gttnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnntcannn nnnnnnnnnnn 120
nnnnnnnnnn nnnnnnnnaa cagaatggtg ctaaatncct tnnnnnnaag aacnnnnnnnn 180
nnnnattgcn nnnnnnnnnnn gttcttgcag atgaggcgga gatttgatcg ttcaannnnnn 240
nnnnnnnnnn nnnnnnnnnnn nnnnnnnnngc tcttcctttn nnnnnnnnna cacannnnnn 300
nnnnnaagga agagcttttt acatgcttaa tatttcagaa aagaggcgaa taacatggct 360
caacaaacga atgttgcagg acaaaaaaca gaaaaacaac gcaaagcacc tttccgcgcc 420
gatcatgtcg gcagcttgct tcgttccggt ccggtaaagg aagcccggca aaaaaaagcg 480
gctggt 486

<210> 122
<211> 486
<212> RNA
<213> *Bacillus subtilis*

<220>
<221> misc_feature
<222> (22)...(305)
<223> n = g, a, c or t/u

```
<400> 122
aagggttttcc ttatcaagag annnggtgga gggannctgg nnnnccctgc gataccnnnc 60
ggcaaccgct gttnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnttannn nnnnnnnnnn 120
nnnnnnnnnn nnnnnnnnna cagaatggtg ctaaattncct tnnnnnnntag agcaannnnn 180
nnnnntgann nnnnnnnnntt gctcttgaag ataaggttga gattgtcacg caannnnnnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnngc tcttccttnn nnnnnnnnna tccannnnnn 300
nnnnnaagga agagcttttt tatatttgaa tggaaagaag gaatggacaa catgtcacaa 360
caaacaacac ccgcagaaca aaaatcactt caaagaaaaa aaccgccggt tcgcgcggat 420
caagtcggaa gcctgctaag atctgagccc gtcaaaaaag cgcggtgca aaaagcggcc 480
ggcgaa 486
```

```
<210> 123
<211> 486
<212> RNA
<213> Bacillus halodurans
```

```
<220>
<221> misc_feature
<222> (22)...(306)
<223> n = g, a, c or t/u
```

```
<400> 123
tcataattttc ttatccagag tnnnggtgga gggannctgg nnnnccctgt gaagccnnnc 60
ggcaacctct tttnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnttttnn nnnnnnnnnn 120
nnnnnnnnnn nnnnnnnnnn aaagaaggtg ccaattacca gnnnnnnncag aacannnnnn 180
nnnnntgann nnnnnnnnntt gttctgaaag ataagaagcg aacggatcgn nnnnnnnnnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnnca cgtcttcnnn nnnnnnnnnt taccnnnnnn 300
nnnnnngaag aggtgttttt tcttggttta acaccttatc tgtcggaaag attacttggt 360
attgtaccga aaacagcaag acaaaaaaag aacaacttgg aatgaggagg cgttgtagat 420
gaaaaaaatt tacgtaatcc acgaaaacga tgaatggacg gttcacctat ttaaaccgact 480
tgagga 486
```

```
<210> 124
<211> 486
<212> RNA
<213> Bacillus halodurans
```

```
<220>
<221> misc_feature
<222> (22)...(308)
<223> n = g, a, c or t/u
```

```
<400> 124
ataaaaagac ttatcgagag annnggcaga gggannctga nnnncccgat gatgccnnnc 60
ggcaaccgct ttgttnnnnnn nnnnnnnnnn nnnnnnnnnn nnnagccann nnnnnnnnnn 120
nnnnnnnnnn nagcaaacga aggtgctaatt tntcagnnnn nncagaatgn nnnnnnnnna 180
tttnnnnnnn nnnncattctt ggaagataag cgaagggcga aannnnnnnn nnnnnnnnnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnncc ttccnnnnnn nnnnnnnnnnt taccnnnnnn 300
nnnnnnnnng aaaggttttt ttgttagaga gccaaagtttt tataaaaaatg aggagagggc 360
atacgaaaag ggaaataatc agatgattaa agttggtgtg atcggatttg gcaccgttgg 420
gcaaggtggt gtcgagagtc tagttcaatt ggagcgagga ttaaggaaaag aagttactct 480
cgaaat 486
```

<210> 125
<211> 486
<212> RNA
<213> Bacillus halodurans

<220>
<221> misc_feature
<222> (21)...(302)
<223> n = g, a, c or t/u

<400> 125
tctcgtattc ttatccagag nnnaggtgga gggannacgg nnnncccgaa gaaacctnnc 60
agcaaccagc cacgnnnnnn nnnnnnnnnn nnnnnnnnnn nnnatccnnn nnnnnnnnnn 120
nnnnnnnnnn nnnnnnnntg tggtcaggtg ctaattncct gnnnnnncaa gcannnnnnn 180
nnnnttattn nnnnnnnnnn tgcttgagag ataagaggaa gcgagtgaga tccaannnnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnnca cctacttctt ctttnaatct tacatgacnn 300
nngagaaggt aggtgttttt ttacacaatc agaaaagatc gaacttttca gatagttaa 360
gaaaaatgaa ggcttttcgca acttggcgac gagctgattt ttccaataga tggataggag 420
gagcaaccat gaatcgtaaa gaattagaaa cagctttagt acaaatcgga aatcgaatgg 480
atgatac 486

<210> 126
<211> 486
<212> RNA
<213> Bacillus halodurans

<220>
<221> misc_feature
<222> (23)...(306)
<223> n = g, a, c or t/u

<400> 126
acggatactc ttatccagag ttngggtgga ggganncagg nnnncccgaa gaaaccnnc 60
agcaaccaac acctnnnnnn nnnnnnnnnn nnnnnnnnnn ngttaaacaa nnnnnnnnnn 120
nnnnnnnnnn nnnnnnnnagg tgaaaaggtg ctaannncct gnnnnnncaa ggcnnnnnnn 180
nnnnngttnn nnnnnnnnnn gccttgaaaag ataagaggcg aaaggtatgt taattaannn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnncc cttttccnnn nnnnnnnntc ataannnnn 300
nnnnnnggaa aagggttttc ctcattttta tacttttgca agtgtgctgt ggagaatgag 360
tgccgtatca tgttttgcgc agcctgccgt tggtaagggt gtgcttaagg gaggatattc 420
gtaaatggca gatacaagaa gtcgtcgctt atttacatca gagtctgtta cagaaggaca 480
tcctga 486

<210> 127
<211> 486
<212> RNA
<213> Bacillus halodurans

<220>
<221> misc_feature
<222> (22)...(306)
<223> n = g, a, c or t/u

```
<400> 127
aagaaaactc ttatcatgag annnggtgga gggannctgg nnnncccgat gaagccnnnc 60
agcaaccgcc aagcnnnnnnn nnnnnnnnnn nnnnnnnnnn nagcaaaten nnnnnnnnnn 120
nnnnnnnnnn nnnnnngctt ggaaaaggtg ctaattncct gnnnnnncaa agcnnnnnnn 180
nnnnngatnn nnnnnnnnnn gctttgagag atgagagaag ggaagacgta aaacattnnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnncc tttctgcnnn nnnnnnnnnt catgnnnnnn 300
nnnnnngcgg aaagggtttt ttgttctatt atgcagtttg attcacggaa ttgtactttc 360
ttacgataat gattttgcgtg ctctttgaga cgaaatttgc gagagtgaga gtttttgctc 420
tcgtactgac tttcgtaaaa ttggtaacgc gtagacgaac tgatatattt ttagaaaaga 480
gggctt 486
```

<210> 128

<211> 486

<212> RNA

<213> *Oceanobacillus iheyensis*

<220>

<221> misc_feature

<222> (21)...(305)

<223> n = g, a, c or t/u

```
<400> 128
atagtttagac ttatcaagag nnnagatgga gggannttgg nnnncccgat gaagtctnnc 60
agcaaccagc ctannnnnnn nnnnnnnnnn nnnnnnnnnn nnnagatann nnnnnnnnnn 120
nnnnnnnnnn nnnnnnnnnn aggtatggtg ctaattncct annnnnntag gctnnnnnnn 180
nnnntacann nnnnnnnnnn agccttaaag ataagaagag ctatgtattt taannnnnnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnncc cttcttctnn nnnnnnnnta cttttnnnnn 300
nnnnnagaag aggggttttt tgatttttag aataggagga gattattatg aagcggagtt 360
tacaagacg tttgcaagaa ggcacggtaa tagcaggaga aggggtattt tttgaattag 420
agaggagggg gtacttacag gcagggttcgt ttgtaccaga agtagccctt gaaaatccgg 480
atgcgt 486
```

<210> 129

<211> 486

<212> RNA

<213> *Ocenobacillus iheyensis*

<220>

<221> misc_feature

<222> (21)...(306)

<223> n = g, a, c or t/u

```
<400> 129
atgacaattc ttatccagag nnnaggtgga gggannctgg nnnncccaag gaagcctnnc 60
ggcaacagac ttannnnnnn nnnnnnnnnn nnnnnnnnnn nntttgatnn nnnnnnnnnn 120
nnnnnnnnnn nnnntaagta ctgtgccaat tncagnnnn nntagcgnnn nnnnnnnnnt 180
aatnnnnnnn nnnnnntgct agaagatgag aagagtatat agtacggttt cctgtannnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnncc ctcttctnnn nnnnnnnnta cttgtnnnnn 300
nnnnnnagaa ggggggtttt acttttccct attctctgta cagaactgtc atatgctagt 360
ttcatagagc aagaccctac tctataagac tagcccaaatt ctaaaggaga aagaaggaaa 420
ttaacatgac aaaaacagtt attaaagcac catttcgcgc agaccatgta ggtagcttac 480
tacgac 486
```

<210> 130
<211> 486
<212> RNA
<213> *Oceanobacillus iheyensis*

<220>
<221> misc_feature
<222> (21)...(315)
<223> n = g, a, c or t/u

<400> 130
atgaaaatac ttatcaagag nnnaggtgga gggannctgg nnnncccgct gaaacctnnc 60
agcaacagan nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nacgcatctg nnnnnnnnnn 120
nnnnnnnnnn nnnnnnnnnn nnnntctgtg ctaaattncct gnnnnnncaa gcnnnnnnnn 180
nnnnaatann nnnnnnnnnn ngcttgaaag ataagttgag gttatcgtaa tatccaagtt 240
ctctcttctt atctttatca tgttttttnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 300
nnnnnnnnnn nnnnnaatag aagggatgga tttatatatg agcatacgga atgaagatga 360
aacggaacaa agaagaaatg atctaattga gaaattaatt gcatactaac attttaaaaa 420
agggaacaaa catctatatg aactgacaac agcagagttg gaatacgaat acttttaaatt 480
acaata 486

<210> 131
<211> 486
<212> RNA
<213> *Oceanobacillus iheyensis*

<220>
<221> misc_feature
<222> (21)...(306)
<223> n = g, a, c or t/u

<400> 131
attgaataac ttatccagag nnntgacgga gggaancagg annncctanc gatgtcannc 60
agcaacctac cnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnntttacn nnnnnnnnnn 120
nnnnnnnnnn nnnnnnnnnn nggagtgggtg ctntcttcct gnnnnnnncag aannnnnnnn 180
nnnnnttttnn nnnnnnnnnn nttctgaaag ataaggtaat gatattgtaa aannnnnnnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnncc ttctttctnn nnnnnnnnnng aatnnnnnnn 300
nnnnnnngaaa gaaggttttt ttgatgggat gtggtatgta tgattcagtt ggaaaatatc 360
gagaaacact atgaatctaa aaagagaaga gtgatatggg tagatcaagt ttcccttgat 420
atcaaaaagg gagaaatata tggcatcggt ggatatagcg gtgcaggtaa aagtacgctt 480
ttacgt 486

<210> 132
<211> 486
<212> RNA
<213> *Oceanobacillus iheyensis*

<220>
<221> misc_feature
<222> (23)...(303)
<223> n = g, a, c or t/u

```
<400> 132
acggatactc ttattcagag ttnggtgga ggganncaga nnnncccgat gaagccnnnc 60
agcaaccatc actnnnnnnnn nnnnnnnnnn rnnnnnnnnnn nnnnactnnn nnnnnnnnnn 120
nnnnnnnnnn nnnnnnnngg tgaaaagggtg ctaannntct gnnnatgcaa ggannnnnnnn 180
nnntaatagt nnnnnnnnnn tccttgaaca ataagagcga aaggccataa ttcttnnnnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnncc ttctctcatn nnnnnnnnnn gttnnnnnnn 300
nnnatgaagg aaagggttttt ttgtttttat ctataatttt aggtaccgcg ttttttagta 360
cgaggttctt ttattggcac tttgaatagg atagaagtta taaagagatc cgtaccaaca 420
tatatcaaag gagagtttag ccttatggct gcaaatcgac gtttatttac ttcagagtca 480
gtaact 486
```

<210> 133

<211> 486

<212> RNA

<213> *Oceanobacillus iheyensis*

<220>

<221> misc_feature

<222> (21)...(304)

<223> n = g, a, c or t/u

```
<400> 133
atgatatttc ttattcagag nnnccggtgga gggannctgg nnnncccttt gaaaccgunc 60
ggcaaccttc atnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnaattaann nnnnnnnnnn 120
nnnnnnnnnn nnnnnnnnnn atgaaagggtg ccaattncct gnnnnnnncan nnnnnnnnnn 180
nnnngaaaaa nnnnnnnnnn nnnntgaaag atgagagAAC gtcagacgat atacgataaa 240
tacgtannnn nnnnnnnnnn nnnnnnnncg tctttctgtt nnnnnnnntc tcttnnnnnn 300
nnnnacagaa aggcgttttt attttgacga attatgggga aactatacga aatgggttgc 360
ggagagtaag aggaggaata aagattgata tccatcgaag ggtaagtaa agtattttca 420
ttaaataaaa aagacatcaa agctgtagac tcattgacct tcaatattga aaatggcgat 480
atttat 486
```

<210> 134

<211> 486

<212> RNA

<213> *Oceanobacillus iheyensis*

<220>

<221> misc_feature

<222> (21)...(306)

<223> n = g, a, c or t/u

```
<400> 134
tacgtttttc ttatcatgag nnnaggcgga gggaanatgg nnnncccaac gaaacctnnc 60
ggcaacaggt tctnnnnnnn nnnnnnnnnn nnnnnnnnnn nnntattnnn nnnnnnnnnn 120
nnnnnnnnnn nnnnnnnnna gaatactgtg ccaattncct tnnnnnncaa gcannnnnnn 180
nnnnnaatnn nnnnnnnnnn tgcttgaaag ataagagtag aataatttat tagcttttaa 240
annnnnnnnn nnnnnnnnnn ctattctnnn nnnnnnnnta ttacnnnnnn 300
nnnnnnggaa tagagttttt tgttacatag aatggctcta taatatttgt tggggtaaaa 360
gaaaaataaa aaacacgcaa tctcctattt ttgttatcat tgtttaaacc actaaaccaa 420
acaaaaagga gatgcgtgca attgaattct aacataacat tacctggggtt ggaagaagga 480
aatata 486
```

<210> 135
<211> 486
<212> RNA
<213> *Oceanobacillus iheyensis*

<220>
<221> misc_feature
<222> (21)...(304)
<223> n = g, a, c or t/u

<400> 135
atgaaatatac ttatcctgag nnnaggtgga gggaanatgg nnnncccaaa gaagcctnnc 60
ggcaacaggt tcnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nntagcttnn nnnnnnnnnn 120
nnnnnnnnnnn nnnnnnnnnn gaatactgtg ccaaatacca tnnnnnncaa gtatnnnnnn 180
nnnnntctnn nnnnnnnnna tgcttggtag ataagagaag tcggcgacag agnnnnnnnn 240
nnnnnnnnnnn nnnnnnnnnn nnnnnnnnct cttttcttan nnnnnnnnnnt cttnnnnnnn 300
nnnntatgaa aaggggttttt taattactaa cgatagataa tgggggatga aaatgaagta 360
tggtttctgg ttgccgattt ttggagggtg gttgcgtaat gtagaagatg aacagatgcc 420
tcctactttt gaatatgcaa aacaggtaat tcagcacgcg gaagaatggg gatatgatac 480
gacttt 486

<210> 136
<211> 486
<212> RNA
<213> *Oceanobacillus iheyensis*

<220>
<221> misc_feature
<222> (22)...(308)
<223> n = g, a, c or t/u

<400> 136
ttatttttcc ttatcaagag tnnccggggga ggaatnctgg nnnntccatt gatcccgnc 60
agcaaccagt tacnnnnnnn nnnnnnnnnn nnnnnnnnnn nnaatgaann nnnnnnnnnn 120
nnnnnnnnnnn nnnnnnnnnn taacatggtg ctcattacca gnnnnnncaa gcnnnnnnnn 180
nnnnngtagnn nnnnnnnnnn ngcttgatag atgagaaaag tgtttatacc ttttaaataa 240
aannnnnnnnn nnnnnnnnnn nnnnnnnnct ctttcnnnnn nnnnnnnnnnt catcnnnnnn 300
nnnnnnnnngg aagagttttt tctttgttgt cagtgagggt ttggaaaaat aagtggaaca 360
gtttgacttc aaatatgagt aaaccaatca ggtaactaaa gttagggggat cgaaactgtc 420
aagtgatcgt agtttataaa aatctaaaat gaagaggaga gcgtgtatta tgccaactat 480
aaaaac 486

<210> 137
<211> 486
<212> RNA
<213> *Oceanobacillus iheyensis*

<220>
<221> misc_feature
<222> (22)...(306)
<223> n = g, a, c or t/u

```
<400> 137
agcaaatctc ttatcaagag tnnnggtgga ggggaantagg nnnncctgc gaagccnnnc 60
ggcaacctgt agcnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnaattnnn nnnnnnnnnn 120
nnnnnnnnnn nnnnnngcta ttgaaaggtg ctaaattncct annnnnncag acnnnnnnnn 180
nnnttcacn nnnnnnnnnn ngctctggaag ataagaggag gttcgggttt aaacagacaa 240
annnnnnnnn nnnnnnnnnn nnnnnnnngt cctcttcnnn nnnnnnnnnt tatnnnnnnn 300
nnnnnngaag ggggcttttt ttaatccttc tcttattact ttaaaaataa taaattcaag 360
gaggaaacac gatgtctaaa tttcaatctt tgcaagcaga aacaatctta cttcatggag 420
gacaggaacc agacccatca actggttcac gtgcagttcc aatttatcaa actacgtcct 480
atgtgt 486
```

<210> 138

<211> 486

<212> RNA

<213> *Oceanobacillus iheyensis*

<220>

<221> misc_feature

<222> (21)...(304)

<223> n = g, a, c or t/u

```
<400> 138
atgaaatata ttatcctgag nnnaggtgga ggggaanatgg nnnncccaaa gaagcctnnc 60
ggcaacaggt tcnnnnnnnn nnnnnnnnnn nnnnnnnnnn nntagctnn nnnnnnnnnn 120
nnnnnnnnnn nnnnnnnnnn gaatactgtg ccaaattcca tnnnnnncaa gtatnnnnnn 180
nnnnntctnn nnnnnnnnnn tgcttggtag ataagagaag tcggcgacag agnnnnnnnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnnct cttttcttan nnnnnnnnnt cttnnnnnnn 300
nnnttatgaa aagggttttt taattactaa cgatagataa tgggggatga aaatgaagta 360
tggtttctgg ttgccgattt ttggaggggt gttgcgtaat gtagaagatg aacagatgcc 420
tcctactttt gaatatgcaa aacaggtaat tcagcacgcg gaagaatggg gatatgatac 480
gacttt 486
```

<210> 139

<211> 486

<212> RNA

<213> *Oceanobacillus iheyensis*

<220>

<221> misc_feature

<222> (21)...(300)

<223> n = g, a, c or t/u

```
<400> 139
ttaatacttc ttatcgagag nnnaagctaa gggacnctgg nnnncctggt gacgcttnnc 60
agcaacctct annnnnnnnn nnnnnnnnnn nnnnnnnnnn nntctccatn nnnnnnnnnn 120
nnnnnnnnnn nnnnnnnnnn tagaaaggtg ctacctncca gnnnnnncaa gatnnnnnnn 180
nnnngtatnn nnnnnnnnnn gtcttgaaag ataagagtcc agattaaaaa aaannnnnnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnntc cgcgacgctc ttannnnnnnt ttatnnnnnn 300
taagggcatc gcggattttt ttatattaat tttattttta aaggagattg gtaaaatgaa 360
caacattgtg acattgtccg gcagcccttc cgaactatct agatctgaaa aagtactaca 420
ttatttaggg aatcaattaa gtgaacagaa attctatgtg acccatattt ctgttaaaga 480
tgtacc 486
```

<210> 140
<211> 486
<212> RNA
<213> *Oceanobacillus iheyensis*

<220>
<221> misc_feature
<222> (21)...(301)
<223> n = g, a, c or t/u

<400> 140
acgttttttc ttatctagag nnnagattga gggatncagg nnnnccctat gacatctnnc 60
ggcagcggat tctttannnn nnnnnnnnnn nnnnnnnnnn nnnntatnnn nnnnnnnnnn 120
nnnnnnnnnn nnnnnntaaa gaatactgtg ccaattncct gnnnnnncaa atgcnnnnnn 180
nnnaaacgan nnnnnnnnng catttgaaag atgagaaacg atggcttcta catatataca 240
tatggtacga annnnnnnnn nnnnnnnntc cctcttttct tgnnnnnnnnt ctttnnnnnn 300
ncaagaaaag agggattttt tatttcgctt ggggggttgag acatgattga atttcagaat 360
gtaacaaaaga cattcacact aggaaaaaga aaagtagaag ctgttaaaga agtatctcta 420
acgatcgaaa aaggagatat ttatggaatt attgggttca gcggtgcagg aaaaagtacc 480
ttgctt 486

<210> 141
<211> 486
<212> RNA
<213> *Oceanobacillus iheyensis*

<220>
<221> misc_feature
<222> (22)...(304)
<223> n = g, a, c or t/u

<400> 141
ctaatatctc ttattgagag tnnnggctga gggannctgg nnnnccctgt gacgccnnnc 60
ggcaaccgtt catcgtnnnn nnnnnnnnnn nnnnnnnnnn nnaattccan nnnnnnnnnn 120
nnnnnnnnnn nnnnnngtga tgaataggtg ctaaattncct gnnnnnncaa aatacnnnnn 180
nnnnggacan nnnnnnnngt attttgagaa ataagagagg tgatgaatga cttacgtagt 240
gtaatgttan nnnnnnnnnn nnnnnnnntg cctctcgatn nnnnnnnnnnt tcacnnnnnn 300
nnnnatcggg aggcattttt tagtttcccg gaaaaattca caacatgaga aaagaggaag 360
gatttatgtc cacatcgatt gtaaaaggag ctccgggtca ttatcggatt ggcgcggatg 420
tcttgaggga aattcctgta ctgcttgaag aactgtcagt taatcgata caagttatcg 480
cagga 486

<210> 142
<211> 486
<212> RNA
<213> *Clostridium acetobutylicum*

<220>
<221> misc_feature
<222> (22)...(302)
<223> n = g, a, c or t/u

```
<400> 142
taattgtttc ttatcaagag tnnngacgga ggganntag gnnnccctat gaagtcnnnc 60
ggcaacatcc aannnnnnnn nnnnnnnnnn nnnnnnnnnn nnnttattnn nnnnnnnnnn 120
nnnnnnnnnn nnnnnnnnnn tggagatgtg ctaattncct annnnnncag gnnnnnnnnn 180
nnntttatn nnnnnnnnnn nncctgagag atgagaatgt ttttaaaann nnnnnnnnnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnnct gcttcttatt tnnnnnnntt taatnnnnnn 300
nnggataaga agcagtttta tttttttatt attaggagga gaagattatg ggagaaatag 360
attgtagaaa ttttgagaca aaagcagttc atggggagag tgggttttgag agcagaactg 420
gggcaataag ctaccaata taccaaagtt ctaccttag acatgaaggc ttaaataaag 480
gaactg 486
```

```
<210> 143
<211> 486
<212> RNA
<213> Clostridium acetobutylicum
```

```
<220>
<221> misc_feature
<222> (22)...(307)
<223> n = g, a, c or t/u
```

```
<400> 143
tgtaaaaatc ttatcaagag tnnnggtgga gggannctgg nnnncccttt gaaaccnnnc 60
ggcaaccagt atattnnnnn nnnnnnnnnn nnnnnnnnnn nnnttttnnn nnnnnnnnnn 120
nnnnnnnnnn nnnnnnnnaat atatgtggtg ctaaattncct gnnnnnnncag cnnnnnnnnn 180
nnnnaaacnn nnnnnnnnnn nngctgatag atgagaataa tcgcgaatgt aaannnnnnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnngc ccgaggnnnn nnnnnnnntt attttnnnnn 300
nnnnnnncca agggcttttt attttatcct attttttaag ggggctaact tatgaattct 360
tcactaaaga atttgttaaa taacaaaatt ttagtttttag atggtgctat gggaacatgt 420
attcaatcct ttaatctaga tgaaggcgac tttaaagggt ccttatcttg tacatgtcat 480
tccaat 486
```

```
<210> 144
<211> 486
<212> RNA
<213> Clostridium acetobutylicum
```

```
<220>
<221> misc_feature
<222> (21)...(305)
<223> n = g, a, c or t/u
```

```
<400> 144
taatatttcc ttatcaagag nnnaaacgga gggannctgg nnnncccaat gatgttttnc 60
agcaaccaag gtnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnntttatnn nnnnnnnnnn 120
nnnnnnnnnn nnnnnnnnnn acttatggtg ctaattncca gnnnnnnncag gannnnnnnn 180
nnnttattnn nnnnnnnnnn nttctgaaag atgaggagcg actattttaa catttttatt 240
ttgttaatag aannnnnnnn nnnnnnnntc ctcttcttnn nnnnnnnnnnt taannnnnnn 300
nnnnnaagaa gaggatttta ttttgttaat aatagaacca acttattatt atttggtttt 360
attctattaa aagtgggtgg ataggacata ttttattaaa agaagagaga aatacctcca 420
atatttctcc cttcaattcc ataagcttat agattttacc caatctatcc taaaatattt 480
ttacta 486
```

<210> 145
<211> 486
<212> RNA
<213> Clostridium acetobutylicum

<220>
<221> misc_feature
<222> (22)...(306)
<223> n = g, a, c or t/u

<400> 145
attagtgcac ttatcaagag annnggtgga gggannccgg nnnnccctgt gaagccnnnc 60
agcaacctgt atannnnnnnn nnnnnnnnnn nnnnnnnnnn nntgttaatn nnnnnnnnnn 120
nnnnnnnnnn nnnnnnnnnn atacaagggtg ctaattncct gnnnnnnncag cnnnnnnnnn 180
nnnngctann nnnnnnnnnn nngctgagag atgagaatat aaatcgagct tttannnnnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnnga gccagagnnn nnnnnnnntt tattnnnnnn 300
nnnnnnctct ggctcttatt attttttaat ctaatgggaa aaggtgaatg acatgataga 360
aataaaaaat gtttctaaat atttttcagg aaataagggt cttaaagatg ttgatctgaa 420
gattaaaggc ggagaaatat ttggaattgt tggatcatagt ggagctggaa agtcaacatt 480
acttag 486

<210> 146
<211> 486
<212> RNA
<213> Clostridium acetobutylicum

<220>
<221> misc_feature
<222> (21)...(305)
<223> n = g, a, c or t/u

<400> 146
atattatttc ttatcaagaa nnnnggtgga gggannctgg nnnnccctat gaagccnnnt 60
gacaaccggc nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnaaatnnn nnnnnnnnnn 120
nnnnnnnnnn nnnnnnnnnn nngtacgggtg ttaattncct gnnnnnnncaa aacnnnnnnn 180
nnnttatttn nnnnnnnnnn gttttgaaag ataagaaaac agcttattaa ttaatgagta 240
tgtaataaan nnnnnnnnnn nnnnnnnntc cgtttttcnn nnnnnnnntt tattnnnnnn 300
nnnnnggaaa atggattttt tttatatatt aaaatttaaa ctaggacggt gaaaaaatg 360
cctataaaaa tacctgataa tcttcagca gcaaaaactt taaatgaaga aaatatattt 420
tttatggatg aggatagagc ctatcatcaa gatataagac ctcttaatat tgttatagtt 480
aacctt 486

<210> 147
<211> 486
<212> RNA
<213> Clostridium acetobutylicum

<220>
<221> misc_feature
<222> (22)...(307)
<223> n = g, a, c or t/u

```
<400> 147
tgataaggtc ttatcaagag annnggtgga gggannctgg nnnnccctat gaaaccnnnc 60
aacaaccagc atttnnnnnn nnnnnnnnnn nnnnnnnnnn nntttaattn nnnnnnnnnn 120
nnnnnnnnnn nnnnnnnnag atgtatggtg ttaattncct gnnnnnncaa agnnnnnnnn 180
nnnnnttaann nnnnnnnnnn nttttgagag ataagaggat tataaaattt tagaaagcta 240
aaannnnnnn nnnnnnnnnn nnnnnnnntc ctcttcnnnn nnnnnnnnaa ctaannnnnn 300
nnnnnnngaa gaggatttaa ttttatatat ttttaggttt agatattgaa gttaaaatat 360
aataaaaagg ggatttttaa aatgagttaa gaaagaaaat ttgggtttga aacattacag 420
gttcatgcag gacaagttgc tgatccaact acaggatcaa gagctgtacc tatttatcaa 480
acaaca 486
```

<210> 148

<211> 486

<212> RNA

<213> *Clostridium acetobutylicum*

<220>

<221> misc_feature

<222> (22)...(307)

<223> n = g, a, c or t/u

```
<400> 148
atggaaactc ttatcaagag annnggtgga gggaanaggg nnnncccggt gaaaccnnnc 60
ggcaaccgat gtattnnnnn nnnnnnnnnn nnnnnnnnnn nnaatttann nnnnnnnnnn 120
nnnnnnnnnn nnnnnnagta cataatggtg ccaattncct gnnnnnnncag aannnnnnnn 180
nnnnnttann nnnnnnnnnn nttctgcaag ataagagaga gaatgttaan nnnnnnnnnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnngt ctcttcnnnn nnnnnnnnnt tattnnnnnn 300
nnnnnnngag gagactttta tttttatatt gtaggaggaa gtggatataa tgagaaagtt 360
atttacatct gaatcagtaa cagaagggca tccagataaa atctgcgac aaatatcaga 420
cgctatttta gatgccatat tggaaaaaga tccaaatgga agagttgctt gtgaaactac 480
agtac 486
```

<210> 149

<211> 486

<212> RNA

<213> *Clostridium perfringens*

<220>

<221> misc_feature

<222> (22)...(300)

<223> n = g, a, c or t/u

```
<400> 149
ttatatactc ttatccagag annnggtgga gggaaaaaagg nnnnccctat gaaaccnnnc 60
ggcaaccagt gannnnnnnn nnnnnnnnnn nnnnnnnnnn nnnngaaann nnnnnnnnnn 120
nnnnnnnnnn nnnnnnnnt cactacggtg ccaattnccg gnnnnnnntaa agannnnnnn 180
nnnnnaatnn nnnnnnnnnn tctttacaag atgagagaag ataaatttag tgtataacta 240
aaannnnnnn nnnnnnnnnn nnnnnnnntc tcttcttaaa tctnnnnnt taannnnnnn 300
aggtttgaga agagattttt ttattaacaa aaatatttta aaggcgcgca ttaaaataaa 360
gtttgttaat taagctttta agatattatt ttgaatcgtg ggaagataaa ttaagttatt 420
tgtttaaata aacagggttg gaataaataa aaatgaaagg ggtgaattag ctatcttatt 480
atgata 486
```

<210> 150
<211> 486
<212> RNA
<213> *Clostridium perfringens*

<220>
<221> misc_feature
<222> (22)...(307)
<223> n = g, a, c or t/u

<400> 150
ttaataaatc ttatcaagag annnggtgga gggannctgg nnnnccctgt gaaaccnnnc 60
agcaaccggt aattctttgc ggtaaacaaca atgctgattt taaaataaaa aaatcagtag 120
taatttccta tgcaaagatt tatagcgggtg ctaaattncct gnnnnnnncgg tnnnnnnnnnn 180
nnnnagaann nnnnnnnnnnn nnactgagag ataagaaaga gagtctgtaa gaataataa 240
nnnnnnnnnn nnnnnnnnnnn nnnnnnnnct tctatcnnnn nnnnnnnnnc tagnnnnnnnn 300
nnnnnnngat aggagttttt ttatttttgta ggataaagga tagattttatt aaatggatta 360
ggaggagaga aaatgaaaaa aggaaagtgt tcagcattat taccattaat aattttttgta 420
tcgattttatt tgggaacttc attagtaatg aaagatttct actctgtatc tgtttttagtt 480
ccagga 486

<210> 151
<211> 486
<212> RNA
<213> *Listeria monocytogenes*

<220>
<221> misc_feature
<222> (22)...(304)
<223> n = g, a, c or t/u

<400> 151
ttacgttttc ttatcaagag tnnnggtgga gggannatcg gnnnccctagt gaaaccnnnc 60
agcagcggag cnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnngcaannn nnnnnnnnnnn 120
nnnnnnnnnn nnnnnnnnnnn nngttctatg ctaattnccg atnnnnnncag aannnnnnnnnn 180
nnngtaatan nnnnnnnnnnn nttctggcag ataagtagta gctttcaatg aggnnnnnnnnn 240
nnnnnnnnnn nnnnnnnnnnn nnnnnnnntg cttcgattct gnnnnnnnacc aaaaaannnn 300
nnnnagagg aagcggttatt ttttttagcgc ttaaagaggg gagtttttgt tagatgaaga 360
aattttttatt agtagcgggt atctcggttt ttgccttggg gttaacggct tgcggagggt 420
ctggcgctag ttcagacaaa gcaaacgggt caggcaaagc gaaagacggc ggctctctta 480
ttatcg 486

<210> 152
<211> 486
<212> RNA
<213> *Listeria monocytogenes*

<220>
<221> misc_feature
<222> (22)...(305)
<223> n = g, a, c or t/u

```
<400> 152
atatttttctc ttatcgagag cnnnggcaga gggannctgg nnnncccgat gaagccnnnc 60
ggcaaccctaa ctttatnnnn nnnnnnnnnn nnnnnnnnnn nnttaagcnn nnnnnnnnnn 120
nnnnnnnnnn nnnnnnnataa agtgaagggtg ctaattncca gnnnnnnncaa aatggnnnnn 180
nnntgtattn nnnnnnnncc gttttggtag ataagaggag ctggatatgt tcgactttcc 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnnac ttctctattn nnnnnnnnnc taannnnnnn 300
nnnnnaatag agaagttttt ttattgcttt catgaataaa tctggataat cacacaacat 360
actagggagg aaaaaagatg aaaaaattaa caaaaggggt aggaatttta cttgcatcaa 420
gccttgtttt aggattagca gcatgtggag gaggcagtga cgataaagcc ttaagcacag 480
aaaaaa 486
```

<210> 153

<211> 486

<212> RNA

<213> *Listeria monocytogenes*

<220>

<221> misc_feature

<222> (21)...(303)

<223> n = g, a, c or t/u

```
<400> 153
tagtattttc ttatcacgaa nnnaggtgga gggannctgg nnnncccttt gaagcctnnt 60
agcaaccgga annnnnnnnn nnnnnnnnnn nnnnnnnnnn nnntttatnn nnnnnnnnnn 120
nnnnnnnnnn nnnnnnnnnn ttccacgggtg ctaattncca gnnnnnnncag nnnnnnnnnn 180
nnnttatattn nnnnnnnnnn nnnctgaaag ataagtcgga aatccaagtt taggaaactc 240
tatnnnnnnn nnnnnnnnnn nnnnnnnncc tctctggcgg nnnnnnnnctt atatannnnn 300
nnnctgctag ggagggtttt tgatggaaat tactgataaa tacatatcaa agaggagtgg 360
attttatgag taatgagtat aaattcgaaa caattcaagt acacggcgga cacacaccgg 420
acggagatac acattctaga gccgtaccta tttatcaaac gacgtcatat acatttgata 480
gcccgg 486
```

<210> 154

<211> 486

<212> RNA

<213> *Listerial monocytogenes*

<220>

<221> misc_feature

<222> (21)...(301)

<223> n = g, a, c or t/u

```
<400> 154
acatagtaac ttatcaagaa nnnaggtgga ggggttnctgg nnnnccccgt gaagcctnnt 60
ggcaaccgga nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnttttnnn nnnnnnnnnn 120
nnnnnnnnnn nnnnnnnnnn nntcacgggtg ccaaattcca gnnnnnnncag nnnnnnnnnn 180
nnngtaacan nnnnnnnnnn nnnctgacag ataaggcacg cgaatcaggt aaattactnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnnct ttcccttaaa agnnnnnnnnc tgtnnnnnnn 300
ncttttaagg gaaagttttt ttatacataa aaataataag aattgaggcg aagaaaatga 360
accaagtagc tccattttat gcagatcatg tgggaagtat tttacgcaca aagggaatta 420
aagacgcacg agagaaattc caaagtggcg aaataacagc cttagagttg cgcaaaatcg 480
aaaata 486
```

<210> 155
 <211> 486
 <212> RNA
 <213> *Listeria monocytogenes*

<220>
 <221> misc_feature
 <222> (22)...(296)
 <223> n = g, a, c or t/u

<400> 155
 aatttatctc ttatccagag cnnnggtaga gggannctga nnnncccttt gaagccnnnc 60
 agcaacctac acnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnatataann nnnnnnnnnn 120
 nnnnnnnnnn nnnnnnnnnn gtgaaagggtg ctaannntct gnnnttgag gagnnnnnnn 180
 nnntattatn nnnnnnnnnn cttctgaacg atgagagcaa aggtataatt atnnnnnnnn 240
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnag cctttctcta ttcgtgcgcg ttttnngtgc 300
 aaaatagaga gaggcctttt atatgagacg tatttggaga gaattgaagg aggaaaataa 360
 aattggctaa gaaccgtcat ctatttacat cagaatcggg ttctgatgga catccagata 420
 aaattgcaga tcaaatatct gatgcaattt tagatgcaat tatttcaaaa gatccccgacg 480
 cgcgtag 486

<210> 156
 <211> 486
 <212> RNA
 <213> *Listeria monocytogenes*

<220>
 <221> misc_feature
 <222> (22)...(306)
 <223> n = g, a, c or t/u

<400> 156
 taaattgctc ttataatgag tnnnggtaga gggannctgg nnnncccggt gaaaccnnnc 60
 ggcaaccttt caannnnnnn nnnnnnnnnn nnnnnnnnnn nnntacgnnn nnnnnnnnnn 120
 nnnnnnnnnn nnnnnnnnnn tgaaaagggtg ctaaattncct gnnnnnnnca agtggnnnnn 180
 nnnnntgann nnnnnnnnnn gcttcgagag ataagagaga cttaaaaagt ttcagtgtat 240
 ttgtgtatcg aaacttccaa annnnnnncc tctctagnnn nnnnnnnnnn tctnnnnnnn 300
 nnnnnnctag ggagggtttt tattggcaaa aaatcgagag gataagggtg taggtatggt 360
 aaaggcgatt agttcaaact tgggggtatcc gagacttggg gagaaacgtg aatgggaaacg 420
 tgcgttagaa aaattctgga atgggtgcgat ttcggaagag gaattgttgg ctgaaacgaa 480
 ggctct 486

<210> 157
 <211> 486
 <212> RNA
 <213> *Listeria monocytogenes*

<220>
 <221> misc_feature
 <222> (22)...(304)
 <223> n = g, a, c or t/u

```

<400> 157
tgtagaaatc ttatccagag tnnnggtgga gggannaatg nnnnccctat gaagccnnnc 60
agcaacctaa acaataannn nnnnnnnnnn nnnnnnnnnn nnnttcannn nnnnnnnnnn 120
nnnnnnnnnn nnnnttatgt gtttaaggtg ctaagtncat gnnnnnnncag aacaannnnn 180
nnnnctaann nnnnnnnntt gttctgaaag atgagaagga agttagtcca tttgaaaaaa 240
tgctnnnnnn nnnnnnnnnn nnnnnnnngc ctttctgctn nnnnnnnnnc atcnnnnnnn 300
nnnnnagcaga aaggcttttt ttgtatatca gaatgtagaa aagggtgatag agatgattac 360
gttacaaaac gttgtaaaag aatacacgct cagaaacaac aaagttctcg cagtcgatca 420
tgtcgattta gaaattgaac aaggcgagat tttcggagtt gtaggttatt ccggagctgg 480
taaaag 486

```

```

<210> 158
<211> 486
<212> RNA
<213> Listeria innocua

```

```

<220>
<221> misc_feature
<222> (22)...(304)
<223> n = g, a, c or t/u

```

```

<400> 158
ttacaatttc ttatccagag tnnnggtgga gggaaantcgg nnnncccagt gaaaccnnnc 60
ggcagcggag cnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnngcaannn nnnnnnnnnn 120
nnnnnnnnnn nnnnnnnnnn nngttctatg ctaattncag annntnnncag aannnnnnnn 180
nnngtaatan nnnnnnnnnn nttctggcag ataagtagta gcttttaatg aggnnnnnnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnncg cttcgattct gnnnnnnnacc aaaaaannnn 300
nnnnncagagg aagcgttatt tttagcgctt aaagagggga gtttttgta gatgaagaaa 360
tttttattag tagcggttat ctcggttttt gccttggtgt taacggcttg cggaggctct 420
ggcgctagtt cagacaaagc aaacggttca ggcaaacgca aagacggcgg ctctctaatt 480
atcggg 486

```

```

<210> 159
<211> 486
<212> RNA
<213> Listeria innocua

```

```

<220>
<221> misc_feature
<222> (22)...(305)
<223> n = g, a, c or t/u

```

```

<400> 159
atattttctc ttatcgagag cnnnggcaga gggannctgg nnnncccgat gaagccnnnc 60
ggcaacctaa ctttatnnnn nnnnnnnnnn nnnnnnnnnn nnttaagcnn nnnnnnnnnn 120
nnnnnnnnnn nnnnnngtaa agtgaaggtg ctaattncca gnnnnnncaa ataggnnnnn 180
nnntgtattn nnnnnnnncc gttttggtag ataagaggag ctggatatgt tcgactttcc 240
annnnnnnnn nnnnnnnnnn nnnnnnnnct tctctattnn nnnnnnnnnn ctannnnnnn 300
nnnnnaatag agaagttttt ttattgcttt catgaataaa tctggataaa taatcaacat 360
actagggagg aaaaaaagat gagaaaatta acaaaagggt taggaatttt acttgcacat 420
agccttattc taggggttagc agcatgtgga ggcggaagtg acgataaagc ctttaagcaca 480
aaagaa 486

```

<210> 160
<211> 486
<212> RNA
<213> *Listeria innocua*

<220>
<221> misc_feature
<222> (21)...(303)
<223> n = g, a, c or t/u

<400> 160
tagtatttttc ttatcacgaa nnnaggtgga gggannctgg nnnncccttt gaagcctnnt 60
agcaaccgga annnnnnnnnn nnnnnnnnnn nnnnnnnnnn nntttattnn nnnnnnnnnn 120
nnnnnnnnnn nnnnnnnnnn nttcacggtg ctaattacca gnnnnnnncag nnnnnnnnnn 180
nnntatattn nnnnnnnnnn nnctgaaag ataagtcgga aatccaagtt taggaaactc 240
tatnnnnnnn nnnnnnnnnn nnnnnnnncc tctctggcgg nnnnnnnnctt atatannnnn 300
nnnctgctag ggagggtttt tgatggaaat tactgataaa tacatattaa agaggagtgg 360
attttatgag taatgagtat aaattcgaaa caattcaagt acacggcgga catacaccgg 420
acggagatac gcattctaga gccgtacca tttatcaaac aacatcgat acatttgata 480
gcccag 486

<210> 161
<211> 486
<212> RNA
<213> *Listeria innocua*

<220>
<221> misc_feature
<222> (21)...(301)
<223> n = g, a, c or t/u

<400> 161
acatagtaac ttatcaagaa nnnaggtgga gggtnctgg nnnnccagtt gaagcctnnt 60
ggcaaccgga nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnctttnnn nnnnnnnnnn 120
nnnnnnnnnn nnnnnnnnnn ntcacggtgc caaatnncca gnnnnnnncag tnnnnnnnnn 180
nnnnnatcnn nnnnnnnnnn nnactgacag ataaggcacg cgaaacaggt aaatcactnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnnct ttcccttaaa agnnnnnnnc tgtnnnnnnn 300
ncttttgggg gaaagtttt ttgtacataa aaataactag aattgaggcg aagaaaatga 360
atcaagtggc accattttat gcagatcatg ttggaagtat tttacggaca aaggcaatta 420
aagaggcacg cgagaaattc caaagtggcg aaattacaac tcaagaatta cgtgaaattg 480
aaaatg 486

<210> 162
<211> 486
<212> RNA
<213> *Listeria innocua*

<220>
<221> misc_feature
<222> (22)...(295)
<223> n = g, a, c or t/u

```
<400> 162
aatttatctc ttatccagag cnnnggtaga gggannctga nnnncccttt gaagccnnnc 60
agcaacctac acnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnatataann nnnnnnnnnn 120
nnnnnnnnnn nnnnnnnnnn gtgaaagggtg ctaannntct gnnnttgcag gagnnnnnnn 180
nnntaatatn nnnnnnnnnn ctctgaacg atgagagcaa aggtataatt atannnnnnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnngc ctttctctat tcgtgcgcgn tttnnctgtc 300
aaaatagaga gaggtctttt atatgagacg tatttgagaga gaactaaagg aggaaaataa 360
aattggctaa aaaccgtcat ctatttacat cggaatcggg ttctgatgga catccagata 420
aaattgcaga tcaaatatct gatgcaattt tagatgcaat tatttcaaaa gatccggacg 480
cacgtg 486
```

```
<210> 163
<211> 486
<212> RNA
<213> Listeria innocua
```

```
<220>
<221> misc_feature
<222> (22)...(306)
<223> n = g, a, c or t/u
```

```
<400> 163
taaattactc ttattatgag tnnnggtaga gggannctgg nnnncccggtt gaaaccnnnc 60
agcaaccttt caannnnnnn nnnnnnnnnn nnnnnnnnnn nnnttcggnn nnnnnnnnnn 120
nnnnnnnnnn nnnnnnnnnn tgaaaagggtg ctaaattncct gnnnnnnncga agtggnnnnnn 180
nnnnntgann nnnnnnnnnn gcttcgagag ataagagaga cttaaaaaagt ttcactgtat 240
ttgtgtatcg aaacttccaa annnnnnncc tctctagnnn nnnnnnnnnn tctnnnnnnn 300
nnnnnnctag ggaggttttt tattggcaaa aaattgagag gataagggtga taggtatggt 360
aaaggcgatt agttcaaact tggggatatcc gagacttggg gagaaacgtg aatggaaaacg 420
tgcgctagaa aagtttttggg atggtgcgat ttcagaagag gaattattgg cggaacaaca 480
agctct 486
```

```
<210> 164
<211> 486
<212> RNA
<213> Listeria innocua
```

```
<220>
<221> misc_feature
<222> (22)...(304)
<223> n = g, a, c or t/u
```

```
<400> 164
tgtagaaatc ttatccagag tnnnggtgga gggannaatg nnnnccctgt gaaaccnnnc 60
agcaacctaa acaataannn nnnnnnnnnn nnnnnnnnnn nnnttcannn nnnnnnnnnn 120
nnnnnnnnnn nnnnttatgt gtttaagggtg ctaagtncat gnnnnnnncag aacaannnnn 180
nnnncgatnn nnnnnnnntt gttctgaaag atgagaagga agttagccca tttgaaaaaa 240
tgctnnnnnn nnnnnnnnnn nnnnnnnngc ctttctgctn nnnnnnnnnc attnnnnnnn 300
nnnnagcagg aaggcttttt tgtatatcag aatgtagaaa aggtgataga gatgattacg 360
ttacagaacg tcgtaaaaga atatacgccc agaaataaca aagttctcgc agtcgaccat 420
gtcgatttag aaattgaaca aggtgagatt ttcggagtag ttggttattc aggggctggt 480
aaaagt 486
```

<210> 165
<211> 486
<212> RNA
<213> Staphylococcus aureus

<220>
<221> misc_feature
<222> (21)...(304)
<223> n = g, a, c or t/u

<400> 165
ttcatatttc ttattgtgag nnnaagttga gggacnttgg nnnnccctgt gatacttnnc 60
agcaaccgac tnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnttatnnn nnnnnnnnnn 120
nnnnnnnnnn nnnnnnnnnn nagcacggtg ctaaaancca annnnnncga gnnnnnnnnn 180
nnnnnttann nnnnnnnnnn nnctcgaatg ataagtataa agannnnnnn nnnnnnnnnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnnct tcttactttn nnnnnnnnnnt caatnnnnnn 300
nnnnaggggtg agaagttttt ttgtttaagg aggaaagaac aatgacaaat tacacagtag 360
atactttaaa tctagggaaa tttattacag aatctgggga agtcatagat aacttgcggt 420
tgagatatga gcatgttggt tatcatggac aaccattagt tgtagtttgt catgcattaa 480
ctggca 486

<210> 166
<211> 486
<212> RNA
<213> Staphylococcus aureus

<220>
<221> misc_feature
<222> (22)...(300)
<223> n = g, a, c or t/u

<400> 166
gcgtaaactc ttatcgagag tnnnggtgga ggganntgtg nnnnccctac gaagccnnnc 60
ggcaaccgtc tnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnatatann nnnnnnnnnn 120
nnnnnnnnnn nnnnnnnnnn ngaaatggtg ccaattncac annnnnntaa agtnnnnnnn 180
nnnnnttann nnnnnnnnnn acttttgaag atgagagaaa caatactact atnnnnnnnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnntg ctttctcaat tttnnnnntc tatecnnnnn 300
gatattgaga aagcattttt tattttatta agcaacacag ggaggaatca acgtgattga 360
attaaaagaa gttgttaaag aatatcggac taaaaataaa gaagtccttg ctgtagatca 420
cgttaattta tcgattcgag caggatcgat ttatggcgtc attggttttt ctggagcagg 480
aaaaag 486

<210> 167
<211> 486
<212> RNA
<213> Staphylococcus aureus

<220>
<221> misc_feature
<222> (22)...(301)
<223> n = g, a, c or t/u

```
<400> 167
acggattctc ttatcctgag tnnnggtgga gggachnatgg nnnacccaat gaaaccnnc 60
agcaacctct tttnnnnnnn nnnnnnnnnn nnnnnnnnnn nntttatnn nnnnnnnnnn 120
nnnnnnnnnn nnnnnnnnaa aagaaaggtg ccaaannccg tnnnttgcag acnnnnnnnn 180
nnnaaatagn nnnnnnnnnn ngctctgaacg ataagagcga atggacgtat tannnnnnnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnngg ccttctctct atnnnnnnna ttannnnnnn 300
natagttaga aggtcttttt tatttagctc acagagagag aattttcgtat atataaattt 360
aaaggagcaa actatgttaa ataacaaacg attatttact tcagagtctg ttacagaagg 420
acaccagatg aaaatcgctg accaagtgtc agatgcaata ttagatgcta ttttaaaaga 480
cgaccc 486
```

<210> 168

<211> 486

<212> RNA

<213> *Staphylococcus aureus*

<220>

<221> misc_feature

<222> (21)...(302)

<223> n = g, a, c or t/u

```
<400> 168
taagcatcac ttatctagag nnnaggtgga gggannctgg nnnnccctat gaagcctnnc 60
ggcaacatnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnctcgann nnnnnnnnnn 120
nnnnnnnnnn nnnnnnnnnn nnnnnnatgtg ccaattncca gnnnnnnntaa ccgnnnnnnn 180
nnnnntaann nnnnnnnnnn tgggttgaag ataagcaggt aaagcacatg aaannnnnnn 240
nnnnnnhnnn nnnnnnnnnn nnnnnnnnac ctctttcttc annnnnnnnt cgttnnnnnn 300
nntgtgagaa agaggtatatt ttaattggaa agcaggtaaa aaggatggaa gtacataaaa 360
agagcaatgc ttgggcatta ttcccctgtg tattatttgt ggcgttggtt ttaggcgtag 420
gtattatcac aggtgatatt acttcaatgc cattaatgtg tgcaattacg ataacggtaa 480
ttgtgg 486
```

<210> 169

<211> 486

<212> RNA

<213> *Streptomyces coelicolor*

<220>

<221> misc_feature

<222> (21)...(315)

<223> n = g, a, c or t/u

```
<400> 169
ttcataccgc tcatccagag nnngggcaga gggatnacgg nnnncccgat gaagcccnc 60
ggcaaccctc cagtcggnnn nnnnnnnnnn nnttcttgtc acacggacgt ggcgaggctc 120
nnnnnnnnnn nnnnccggct agggaaggtg ccaaattccg tnnnnnnctc acggcgnnnn 180
nnnnagatgn nnnnnnnnctg cgtgaggaag atgaggagaa agggcctcgc ctccatggct 240
gtgcagactg cggaaacctc caggaaccnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 300
nnnnnnnnnn nnnnnccacc gacgccgccg tcgacctcgg ccccgccacc gcgctgagct 360
gccgggagtg cggccacagg gttccgctcg gaccggtctt cgctgcgaa gagtgtttcg 420
gccccctcga gatcgcttac gacttctcgg actacgacgc cgaagagctg cgcaagcgga 480
tcgaag 486
```

<210> 170
 <211> 486
 <212> RNA
 <213> Chlorobium tepidum

<220>
 <221> misc_feature
 <222> (21)...(200)
 <223> n = g, a, c or t/u

```
<400> 170
tttcgagcta tcatccagaa nnnaggcgga gggannctgg nnnnccctgc gaagcctnnt 60
ggcaaccttc atnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnntccacnn nnnnnnnnnn 120
nnnnnnnnnn nnnnnnnnnn atgagcggtg ccaaattcca tnnnnnnccc ggannnnnnn 180
nnnnnggaaan nnnnnnnnnn tccgggaaag atgatgtatg cattcctgct gatttcatac 240
ctcacttgat gcttcccgca catacctcct gaccccgacc gcgcactacg gatcgagcgc 300
ttcaaccttg taccatttgc catgagttag gataacacct tccggttcga gaccttgca 360
gttcacgccg ggcaggagcc tgatccggtg accggatcgc gcgccgtgcc catttaccag 420
accacctcct acgtgttcga gaacgccgag cacggcgctg acctgttcgc gcttcgcaag 480
gcgggc                                           486
```

<210> 171
 <211> 486
 <212> RNA
 <213> Thermoanaerobacter tengcongensis

<220>
 <221> misc_feature
 <222> (22)...(307)
 <223> n = g, a, c or t/u

```
<400> 171
taacacgctc ttatcaagag annnggtgga gggaanagag nnnncccgat gaaaccnnnc 60
ggcaacctgt cctnnnnnnn nnnnnnnnnn nnnnnnnnnn nnntttaann nnnnnnnnnn 120
nnnnnnnnnn nnnnnnnnnn ggataagggtg ccaattnctc tnnnnnnncag aagannnnnn 180
nnnnntttttn nnnnnnnnnn cttctgaaag atgagggtat gnnnnnnnnn nnnnnnnnnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnncc tcttctnnnn nnnnnnnnnn tttnnnnnnn 300
nnnnnnnaga aggggtttta ttttgctcct aaggaggga gaagatgcgt agactcttta 360
cttctgagtc agtcactgaa gggcatcctg acaagatctg tgaccagatt tcagatgcca 420
ttttggatga aatttttaaa aaagaccctt acgcccgcgt ggcattgtgag acagctgtaa 480
ctaccg                                           486
```

<210> 172
 <211> 486
 <212> RNA
 <213> Thermoanaerobacter tengcongensis

<220>
 <221> misc_feature
 <222> (22)...(307)
 <223> n = g, a, c or t/u

```
<400> 172
ttaaattctc ttatcaagag annnggtgga gggannctgg nnnncccgat gaaaccnnnc 60
ggcaaccagc cnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnttagnnn nnnnnnnnnn 120
nnnnnnnnnn nnnnnnnnnn nggcatggtg ccaattncct gnnnnnnncag cgnnnnnnnn 180
nnnnngtttnn nnnnnnnnnn ncgctgaaag atgagagatt cttgtannnn nnnnnnnnnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnngt ctcttcnnnn nnnnnnnntt ttagcnnnnn 300
nnnnnnngaa gggacttttt tatttttaaa aaaggagggg cattaaatgt tgaaaaatga 360
aaagctgtgt aataaactta aagaaaagaa atttgtaata actgtggaaa tttctccccc 420
caaagggata gatgtaacta aaactatcga ggaagctcga aaacttaaag gtgtggcaga 480
tgctct 486
```

```
<210> 173
<211> 486
<212> RNA
<213> Thermoanaerobacter tengcongensis
```

```
<220>
<221> misc_feature
<222> (22)...(299)
<223> n = g, a, c or t/u
```

```
<400> 173
ctcaatcctc ttatcaagag tnnnggtgga gggannctgg nnnncccgat gaaaccnnnc 60
ggcaaccggc acnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnngtaannn nnnnnnnnnn 120
nnnnnnnnnn nnnnnnnnnn gtgcttggtg ccaattncct gnnnnnnncag gttgggnnnn 180
nnnnngttann nnnnnnnccc agcctgagag atgagaggag aggccgagta attgtgannn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnntt actaggccct cttcnnnnnt cattnnnnng 300
aagagggcct aagaattttt ctggagggtgc aaaatgaggg taaagattgg gttgatggga 360
cttggaactg ttgggacagg agtatttaaa atagttaatt cttagaggag atatatcaag 420
gagagtacgg gattttatcc ggagataaag aaagtgcctg tgaaggattt gcacaaaaag 480
agaaaa 486
```

```
<210> 174
<211> 486
<212> RNA
<213> Fusobacterium nucleatum
```

```
<220>
<221> misc_feature
<222> (21)...(307)
<223> n = g, a, c or t/u
```

```
<400> 174
tggaataaaa ccatcaagag nnnagattga ggganncagg nnnncccggt gagatctnnc 60
agcaacctac gnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnntaaaann nnnnnnnnnn 120
nnnnnnnnnn nnnnnnnnnn ntgtgtggtg ctaattncct gnnnnnnnnn nnnnnnnnnn 180
nnnnnnnnnn nnnnnnnnnn nnnnnnatag atggaaaaga ttataatata tctnnnnnnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnnct ctatctnnnn nnnnnnnngg aattnnnnnn 300
nnnnnnngga tagagttttt ttattttaat attttgttaa ttttttaagg agggaaaaat 360
gaaaaagtgt acatacttta catcagaatt tgtttcacca ggacatccag ataaaatttc 420
agatcaaata tcagatgcaa ttttagatgc ttgtttaaaa gatgacccta attcaagagt 480
tgctgt 486
```

<210> 175
 <211> 486
 <212> RNA
 <213> *Fusobacterium nucleatum*

<220>
 <221> misc_feature
 <222> (21)...(307)
 <223> n = g, a, c or t/u

<400> 175
 aaataaataa ccatccagag nnnaaacgga gggannctgg nnnncccaat gatgttttnc 60
 agcaacctac nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnttaaattnn nnnnnnnnnn 120
 nnnnnnnnnn nnnnnnnnnn nngtgtggtg ctaatttcca gnnnnnnnnn nnnnnnnnnn 180
 nnnnnnnnnn nnnnnnnnnn nnnnnnagag atggagagga aaattgaaac aagaactaan 240
 nnnnnnnnnn nnnnnnnnnn nnnnnnnntc cactactnnnn nnnnnnnnnct ataannnnnn 300
 nnnnnnnnggt atggattttt taattaagta agaattttatt atagaaagta gggatataaa 360
 tgattacact tgaaaatgta aataaaattt attccaataa cttgcatgct gtaaaagatg 420
 ttaattttaa agttaatgaa ggagatatct ttggaattat aggtttaagt ggtgctggaa 480
 aatctt 486

<210> 176
 <211> 486
 <212> RNA
 <213> *Deinococcus radiodurans*

<220>
 <221> misc_feature
 <222> (22)...(268)
 <223> n = g, a, c or t/u

<400> 176
 agggtcacct ttatccagag tnnccggcgca gggacnctgg nnncccatg accgccgnnc 60
 agcaaccggc cnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nctcatcacn nnnnnnnnnn 120
 nnnnnnnnnn nnnnnnnnnn ggcagcggtg ctnnttcca gnnnnnnccc gcgcgagcag 180
 cgcccgacga tggcgggcgc cgcggggaacg ataaaggaag gcgggtcctc ttcgcggggtt 240
 ccaacggacg gctcagcccn nnnnnnnntg ggcgtcccct tccagacttc ttttcgtcca 300
 ggaaggggac gcccgttttg ggccgacctc tccgctctcc ccaccggagg cccgccccgt 360
 gaccttaccg tcctcccccc cagccttgca cttcgaaggc gtcagcaaaa cctaccccgg 420
 ccagccggcg ccggcgctga gcgatttgac cctcacggtt gcgcgcggca gccgcaccgg 480
 catcat 486

<210> 177
 <211> 486
 <212> RNA
 <213> *Deinococcus radiodurans*

<220>
 <221> misc_feature
 <222> (22)...(315)
 <223> n = g, a, c or t/u

```
<400> 177
ccgtgcgcgg tcattccagag tnnccgcccc ggggtgntttc ctgncccgcc tacggcggnnc 60
agcaaccggc cnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nttcatcacn nnnnnnnnnnn 120
nnnnnnnnnn nnnnnnnnnnn ggtcacgggtg ctntttncag gaaannnggg ccgttttaggt 180
gcgcccagca tggcgcgagn cggcccnng atgcccgcga ggaggtgcat ttccaaccat 240
gagccatcac ccagaagcgt cggcttcenn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn 300
nnnnnnnnnn nnnnngccaa tccgtccatc aaccatcaac cgtccaccat caccgaggcc 360
gcccgcagc gcattcctgat tctcgacggc gcctggggta cgcagcttca gcgagccaac 420
ctcaccgaag cggacttccg ctgggacgaa gccgacccca cgcggatgta ccggggcaac 480
ttcgac 486
```

<210> 178

<211> 486

<212> RNA

<213> *Xanthomonas axanopodis*

<220>

<221> misc_feature

<222> (21)...(315)

<223> n = g, a, c or t/u

```
<400> 178
cctagcctca ccattcgagac nnnccggcggg ggganncagg nnnncccttt gatgccgnng 60
ggcagccagc ggagcgcnnn nnnnnnnnnnn nnnnnnnnnnn nnngcaannn nnnnnnnnnnn 120
nnnnnnnnnn nnnnngcgcc gcgtttgggtg ccaaattncct gnnnnnnccg ggacnnnnnn 180
nnnctccgcn nnnnnnnngt ccgcccgaag atggttcgaa tcgtgccttg cgcacgtcga 240
acgcgagctc cngcgaagct cgatggccnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn 300
nnnnnnnnnn nnnnngatcc accctggata ccgcatgag cctcgtgaat actgcatcgc 360
cgtctaccaa cgatttcggt gacaccccg ccagcagcga cgacggcatc actgccgtgc 420
gcggcgaact tgtcatcgcc ctgccgatgc gccatgccgg catgcgcgag ctgcggctgc 480
gctatg 486
```

<210> 179

<211> 486

<212> RNA

<213> *Xanthomonas campestris*

<220>

<221> misc_feature

<222> (21)...(315)

<223> n = g, a, c or t/u

```
<400> 179
cctagcctca ccattcgagac nnnccggcggg ggganncagg nnnncccttt gatgccgnng 60
ggcagccagc ggagcgcnnn nnnnnnnnnnn nnnnnnnnnnn nnngcaannn nnnnnnnnnnn 120
nnnnnnnnnn nnnnngcgcc gcgtttgggtg ccaaattncct gnnnnnnccg ggacnnnnnn 180
nnnctccgcn nnnnnnnngt ccgcccgaag atggttcgaa tcgtgccttc tgcacgtcga 240
acgcgagctc ccgcaagct cgatggccnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn 300
nnnnnnnnnn nnnnngatcc accccggata tcgcatgag cctcgtgacc acagcatcgc 360
cactcaccac cgctgacacc tacacgcccg ccgctgatag cgacgccccg cctgccgtgc 420
gcggcgagct cgtcatcaat ctaccgatgc gccacgccgg ccaacgcgag ctgcgcctgc 480
gctacg 486
```

<210> 180
<211> 486
<212> RNA
<213> Staphylococcus epidermidis

<220>
<221> misc_feature
<222> (21)...(304)
<223> n = g, a, c or t/u

<400> 180
ttacctaacc ttatTTTtGag nnnaagctga gggatnttgg nnnncccata gaagcttTnc 60
agcaaccgac tnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnttaaTnn nnnnnnnnnnn 120
nnnnnnnnnn nnnnnnnnnnn nagcacggtg ctaatancca annnnnncga gnnnnnnnnnn 180
nnnnncaann nnnnnnnnnnn nnctcgaatg ataagtagca taannnnnnnn nnnnnnnnnnn 240
nnnnnnnnnn nnnnnnnnnnn nnnnnnnngt gcctttacat cnnnnnnnnna tttnnnnnnnn 300
nnngagtaa ggcacttttt tagttgaagg aggtaggaac tattatgacg aattacacgg 360
ttaatacatt agaactaggt gagtttaaaa ctgaatctgg tgaaacgatt gatcatttac 420
gtctacgtta tgaacatgta ggacttcctg gtcaaccctt tgtcgTtgtt tgccatgcac 480
ttactg 486

<210> 181
<211> 486
<212> RNA
<213> Staphylococcus epidermidis

<220>
<221> misc_feature
<222> (22)...(486)
<223> n = g, a, c or t/u

<400> 181
acggattctc ttatcctgag tnnnggtgga gggacnatgg nnnacccaat gaaaccnnnc 60
agcaacctct ttnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnattTnn nnnnnnnnnnn 120
nnnnnnnnnn nnnnnnnnnnn aaagaaaggt gccaaanccg tnnnttgag acnnnnnnnnnn 180
nnnaaatatg nnnnnnnnnnn ngtctgaacg ataagagcga atggacgttt aagagccttc 240
tctctatcta tannnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn 300
nnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn 360
nnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn 420
nnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn 480
nnnnnn 486

<210> 182
<211> 486
<212> RNA
<213> Geobacter sulferreducens

<220>
<221> misc_feature
<222> (21)...(303)
<223> n = g, a, c or t/u

```
<400> 182
gtagaccttc ttatcaagag nnntgggtgga gggannaagg nnnnccctgt gaaaccannc 60
agcaaccggt ccgnnnnnnn nnnnnnnnnn nnnnnnnnnn nnngtagnnn nnnnnnnnnn 120
nnnnnnnnnn nnnnnnnnccg acgccaggtg ctaaattncct gnnnnnnccc nnnnnnnnnn 180
nnnnngaaann nnnnnnnnnn nnngggagcg atgagaggga gcttgtgacc accgacgcgt 240
acannnnnnn nnnnnnnnnn nnnnnnnnng ccccttcccg nnnnnnnnnt tccnnnnnnn 300
nnncgggagg gggcctttca ttttcgccgc cgcgcgacg cgcccggtggg gaatcatgtc 360
cgtcggcatc gtcgaagaac aatccgtcac cttcgaaacg gatctcaggc tggaaagcgg 420
ccggatactg gggcccatca ccctggccta cgagacctac ggccggctga acgccgaccg 480
gtccaa 486
```

```
<210> 183
<211> 486
<212> RNA
<213> Geobacter sulferreducens
```

```
<220>
<221> misc_feature
<222> (21)...(305)
<223> n = g, a, c or t/u
```

```
<400> 183
acggcttaac ttatcaagag nnncgaccga ggganncagg nnnncccggt gacgtcgnnc 60
ggcaacctcc ccnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnatggnnn nnnnnnnnnn 120
nnnnnnnnnn nnnnnnnnnn ggggaagggtg ccaattncct gnnnnnnnca gaccnnnnnn 180
nnnnngacann nnnnnnnnnn gtttcgggag ataaggaaga gcgtgacacc tcacgggtgaa 240
tcgaannnnn nnnnnnnnnn nnnnnnnntc ctcttccgnn nnnnnnnnnc acccnnnnnn 300
nnnnncggaa ggggattttt cattgtggag gaaaccatga acatcgcgac gcaggcagca 360
cagatcggtc tcgactggga taccgcgacc gggcggtga cggtacccat ctaccagacg 420
gcaaccttcc ggcattccggg attgggccag agcacgggct acgattatc ccgctccggc 480
aacccc 486
```

```
<210> 184
<211> 486
<212> RNA
<213> Bacillus anthracis
```

```
<220>
<221> misc_feature
<222> (22)...(306)
<223> n = g, a, c or t/u
```

```
<400> 184
acacatactc ttatcaagag tnnnggcgga gggannctgg nnnncccgat gatgccnnnc 60
ggcaaccgag cttatgnnnn nnnnnnnnnn nnnnnnnnnn nnnnacgnnn nnnnnnnnnn 120
nnnnnnnnnn nnnnnntata agctaagggtg ctaattncct gnnnnnncaa aatgannnnn 180
nnnnngtttnn nnnnnnnntc gttttggaag ataagagagg atcctatttt gtctattcgn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnngc acctctcnnn nnnnnnnnta tttttnnnnn 300
nnnnnnngaga ggtgcttttt attttggaac atatatgaag ggggaactat agatgaaaaa 360
agtattatta agcattgtaa gcggagcggt actattatta ggcgcatgta gcgctggttc 420
ggataaagaa gtaaaagcgt tagatgagaa aaagattact gtcggtgtaa caggcggggc 480
gcatga 486
```

<210> 185
 <211> 486
 <212> RNA
 <213> Bacillus anthracis

<220>
 <221> misc_feature
 <222> (21)...(303)
 <223> n = g, a, c or t/u

<400> 185
 agcaattttac ttatccagag nnnaggtaga gggannctgg nnnnccctat gacacctnnc 60
 agcagcgggt tctnnnnnnn nnnnnnnnnn nnnnnnnnnn nngtaatann nnnnnnnnnn 120
 nnnnnnnnnn nnnnnnnnng gaacaccgtg ctaattacca gnnnnnncaa gnnnnnnnnn 180
 nnnncaagtn nnnnnnnnnn nncttgaaag ataagtgatg ggcctttgtt tattaannnn 240
 nnnnnnnnnn nnnnnnnnnn nnnnnnnngc cttgatctta nnnnnnnnnnt ttttnnnnnn 300
 nnntagatc aaggcttttt gtattctaaa aagagaaaag ggagtaatgg aaaaagtacg 360
 ttcataaaac aaagtaaatt catgtgttta ggggggttatg gaagtgtatg taattaaaaa 420
 attatcggtt atggtgttca cactatgggt tattacgaca gtgacatttc taattatgca 480
 tattat 486

<210> 186
 <211> 486
 <212> RNA
 <213> Bacillus anthracis

<220>
 <221> misc_feature
 <222> (21)...(304)
 <223> n = g, a, c or t/u

<400> 186
 ttactcatt gtatcaagag nnnaggtgga gggannctgg nnnncccttt gaaacctnnc 60
 ggcagcaggt tcannnnnnn nnnnnnnnnn nnnnnnnnnn nnnnttttnn nnnnnnnnnn 120
 nnnnnnnnnn nnnnnnnnnnt gaatactgtg ccacttncct gnnnnnncaa gctnnnnnnn 180
 nnnnttatnn nnnnnnnnnn agcttgaaag atagaatgag ggacttcgtt tatatacggg 240
 tgcataactt gtacgtaaaa annnnnnnntc cctctttctc nnnnnnnnna atacnnnnnn 300
 nnnngaaaag agggattttt tatttttcat ttccctcatc atcatccaaa ctttaattatt 360
 taggaggaaa atcaaatgaa aaagaagttt gtaccggtta ttgcatcagt tgtaggagta 420
 agtattttat taactgggtg cggtagttat aaaaacgaag caagcggagc aaatgcaaaa 480
 gacgag 486

<210> 187
 <211> 486
 <212> RNA
 <213> Bacillus anthracis

<220>
 <221> misc_feature
 <222> (21)...(298)
 <223> n = g, a, c or t/u

```

<400> 187
cgatacattc ttatccagag nnnaggtgga gggannctgg nnnnccctac gatacctnnc 60
agcaacgggt tnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnntttttnn nnnnnnnnnnn 120
nnnnnnnnnn nnnnnnnnnnn naataccgtg ctaactncca gnnnnnnncaa gccnnnnnnnn 180
nnnatataaa nnnnnnnnnnn ggcttggaag atgagaagat gtgaccgagt acatataann 240
nnnnnnnnnn nnnnnnnnnnn nnnnnnnnngt gctctccttc ttatcnnttt atgggttnnga 300
taagaaggag agcacttttt attttacctc gagagctcta cttcaagttt ttacagcata 360
taggaggggg aaaaatgatt tcttttaata atgtaagtaa agtatatgaa tcagggtgggc 420
aatctgttca tgcggtggag gatgtaacgt tatcagttga gaaaggcgaa atttttggca 480
ttatcg 486

```

```

<210> 188
<211> 486
<212> RNA
<213> Bacillus anthracis

```

```

<220>
<221> misc_feature
<222> (22)...(305)
<223> n = g, a, c or t/u

```

```

<400> 188
gaataattct ttatcaagag annnggcaga gggannccgg nnnncccttt gaagccnnnc 60
agcaacctca gtttnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnatacnnn nnnnnnnnnnn 120
nnnnnnnnnn nnnnnnnnaac tgaatagggtg ctaattncct gnnnnnnncaa aatgcnnnnnn 180
nnnnnattnn nnnnnnnnngc attttgaaag ataaaaacgta actattgtgt acaaaaannnn 240
nnnnnnnnnn nnnnnnnnnnn nnnnnnnnct catctttcnn nnnnnnnnttg atcatnnnnnn 300
nnnnngaaag gtgagttttt ttatatattca aaacatatat tggaggtatt taaaatgaaa 360
gtaattgacc tatcacaaac attcgaaaat aatatgtctc aatttcctgg aacaccaaaa 420
atcaatttag aagccattac aagcgttgaa gaaacagggt atcaagttac agatttccat 480
tctgtc 486

```

```

<210> 189
<211> 486
<212> RNA
<213> Bacillus anthracis

```

```

<220>
<221> misc_feature
<222> (22)...(308)
<223> n = g, a, c or t/u

```

```

<400> 189
aatacaaagc ttatcaagag annnagcgga gggaaactgg nnnncccggc gaagctnnnc 60
ggcaacctgc ttnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnatagann nnnnnnnnnnn 120
nnnnnnnnnn nnnnnnnnnnn aagcaagggtg ctaaactncca gnnnnnnncaa aatggnnnnnn 180
nnnnnaatnn nnnnnnnncc attttgaaaag ataaggtaaa atatattacc gaacagnnnnn 240
nnnnnnnnnn nnnnnnnnnnn nnnnnnnntc ttttcnnnnnn nnnnnnnnga aatgnnnnnn 300
nnnnnnnngg aaagattttt tttatgaata aaaagggggg ctgttcgcgt gagcgtagcg 360
gaacattttg aggaagtgtc tgagagaatt caagcgatgc ttgctgatat gaaatatggg 420
tcaattacaa ttgttgtaca agatggaaaa gtcattcaac tagagaaaag tgaaaaagta 480
cgttta 486

```

<210> 190
 <211> 486
 <212> RNA
 <213> Bacillus anthracis

<220>
 <221> misc_feature
 <222> (21)...(305)
 <223> n = g, a, c or t/u

<400> 190
 tgaaaccttc ttataaagag nnnaggcgga gggannctgg nnnnccctac gatgcctnnc 60
 ggcagcggac tcnnnnnnnn nnnnnnnnnn nnnnnnnnnn nngattttan nnnnnnnnnn 120
 nnnnnnnnnn nnnnnnnnnn gagtgcgtg ccaaattcca gnnnnnncaa gcnnnnnnnn 180
 nnnnatgttn nnnnnnnnnn ngcttgaaag atgagaagag cgtttcttat agatgtataa 240
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnga cctcttctnn nnnnnnnnnc gttnnnnnnn 300
 nnnnnggaag aggtcttttg ttattcatta gaaaaaagg tgaactagg gagagatggg 360
 actttgaaag aaacgagagg aaatgggttg gctttattac cacttgggat atttttggcg 420
 ctatttatag gttctggaat tattacaggt gatttctata aattgccgat acttgtagca 480
 atttca 486

<210> 191
 <211> 486
 <212> RNA
 <213> Bacillus anthracis

<220>
 <221> misc_feature
 <222> (21)...(306)
 <223> n = g, a, c or t/u

<400> 191
 aaattaatac ttatccagag nnnagggtgga gggaancggn nnnnccctat gaaacctnnc 60
 agcaaccct atgtnnnnnn nnnnnnnnnn nnnnnnnnnn nnnaaatnnn nnnnnnnnnn 120
 nnnnnnnnnn nnnnnnngca taggaagggt ctaattncg nnnnnnnncag agaacacnnn 180
 nnnnngttnn nnnnnngtgt tttttggaag atgagaggat tcttgaacgt gaaagaaaaa 240
 nnnnnnnnnn nnnnnnnnnn nnnnnnnntg acctctnnn nnnnnnnnna tgtnnnnnnn 300
 nnnnnnaaga ggtcattttt tgttgtatag aaaggagtg tcgatgcata attcattttc 360
 aaaataaata tagagtaata aaagttgact attaagagag gggaattata atgaacagat 420
 tatcaacaaa attagtagta gcaatcggaa ttggatcagc attatacggg atattaggac 480
 tttggg 486

<210> 192
 <211> 486
 <212> RNA
 <213> Bacillus anthracis

<220>
 <221> misc_feature
 <222> (21)...(304)
 <223> n = g, a, c or t/u

```
<400> 192
atgaaaattc ttatcacgag nnnaggtgga gggannctgg nnnnccctat gaaacctnnc 60
ggcagcggat tcgnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnttannn nnnnnnnnnn 120
nnnnnnnnnn nnnnnnnnnt gaatactgtg ccaattncca gnnnnnncaa gnnnnnnnnn 180
nnnngtaann nnnnnnnnnn nncttgaaag ataagaaaga agctcatttt gactatata 240
acagaannnn nnnnnnnnnn nnnnnnnngc ctctttctan nnnnnnnnnt ctttnnnnnn 300
nnnntagaaa gaggtttttt tacgtgaaaa taaaaggagg aagaaaaatg ggagcgacag 360
gagtagcgtc acaaagaaaa acaattgaag agagtatcga aagaaataag gaaaagtaca 420
tagaaacaag tcgatgatatt catgcgaatc cggagattgg taatcaagaa ttttacgcat 480
ctagaa 486
```

```
<210> 193
<211> 486
<212> RNA
<213> Bacillus anthracis
```

```
<220>
<221> misc_feature
<222> (22)...(308)
<223> n = g, a, c or t/u
```

```
<400> 193
gaatatatttc ttatccagag annnggtgga gggannctgg nnnncccgat gaaaccnnnc 60
agcaaccgcn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnngatnnn nnnnnnnnnn 120
nnnnnnnnnn nnnnnnnnnn nnngcagggtg ctaattncca gnnnnnnncag aacannnnnn 180
nnnnaattnn nnnnnnnnnt gttctgggag ataagacgaa gatataatac taannnnnnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnnct tcttcnnnnn nnnnnnnnnt tatcnnnnnn 300
nnnnnnnnng agagggtttt ttattgcaaa aaaaccgatt acgaaaaaat ttatattaag 360
aagaaagggg ttgcgaagta ctgtgacact cgaaaaatac gtaaaactgc gtagtacagt 420
ttatgaatat atgatagagc aagataagcc aatatcattg ttagatattc aagaacatat 480
cgtttc 486
```

```
<210> 194
<211> 486
<212> RNA
<213> Bacillus anthracis
```

```
<220>
<221> misc_feature
<222> (23)...(306)
<223> n = g, a, c or t/u
```

```
<400> 194
tatacaactc ttatcaagag cannggtgga gggatnttgg nnnncccgat gaagccnnnc 60
agcaaccgac cnnnnnnnnn nnnnnngtaa taccattgtg aaatggggcg tttatgacgc 120
caaaaannnn nnnnnnnnnn nggcacgggtg ctaattncca gnnnnnnncag aaagtannnn 180
nnnnnaaann nnnnnnnnac tttctggcag ataagagggg agaagataaa cttcaaannn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnncc tctttctnnn nnnnnnnnnt agtnnnnnnn 300
nnnnnnngaa agagggtttt ctacgtcaga aaaacctctg aatgaaaaaa ggggggagaag 360
acgatgggat attattcatt aacagaagta accgctgtac aatatgcgaa agaacatggt 420
tattttgaaa agaaagcaaa tgtagtttgt catgaaattg gagatggaaa tttaaattat 480
gtgttc 486
```

<210> 195
 <211> 486
 <212> RNA
 <213> Bacillus anthracis

<220>
 <221> misc_feature
 <222> (23)...(309)
 <223> n = g, a, c or t/u

<400> 195
 taaataacttc ttatcaagag cannggtgga ggganncgag nnnncccgac gaaaccnnnc 60
 ggcaaccgat ctacannnnn nnnnnnnnnn nnnnnnnnnn nnntaatnnn nnnnnnnnnn 120
 nnnnnnnnnn nnnnnnnntgt agacacggtg ctaattnctc gnnnnnnncag cnnnnnnnnn 180
 nnnnattacn nnnnnnnnnn nngctgacag ataaggagct ggttgtaaaa aaannnnnnn 240
 nnnnnnnnnn nnnnnnnnnn nnnnnnnncc tctcnnnnnn nnnnnnnnct tagctnnnnn 300
 nnnnnnnnng agagggtttt ttattttaact aggaggttat aacaatgagc ggaattatag 360
 cgacgtattt aatccatgat gattcacata acttagaaaa aaaagctgag caaattgcac 420
 tcggtttaac aattggctct tggactcatt tgccacactt attgcaagaa cagttaaagc 480
 agcata 486

<210> 196
 <211> 486
 <212> RNA
 <213> Bacillus anthracis

<220>
 <221> misc_feature
 <222> (21)...(308)
 <223> n = g, a, c or t/u

<400> 196
 acgaacattc ttatctagag nnnaggtaga gggannctgg nnnnccctat gacgcctnnc 60
 agcaaccatt aacnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnatttnnn nnnnnnnnnn 120
 nnnnnnnnnn nnnnnnnngt taataagggtg ctaattncca gnnnnnnncaa attnnnnnnn 180
 nnnngcgaaan nnnnnnnnnn aatttgacag atgagaagaa gactctattc aaaccgaaan 240
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnngc cttctnnnnn nnnnnnnnnt cttnnnnnnn 300
 nnnnnnnnag aaggctttt ttattttata ttcaactact ggttcaattt aaaaaggagg 360
 aattttttaca tgtcaactat cgaaacaaaa ctagcgcaaa tcggaaaccg gagtgaact 420
 acaacaggaa ctgttaatcc gcctgtttac ttttcaactg cttatcgtea cgaaggaatt 480
 ggtaaa 486

<210> 197
 <211> 486
 <212> RNA
 <213> Bacillus anthracis

<220>
 <221> misc_feature
 <222> (22)...(304)
 <223> n = g, a, c or t/u

```
<400> 197
aagacaactc ttattgagag cnnnggtgga gggannaagg nnnncctgt gaaaccnnnc 60
ggcaaccttc aaacnnnnnn nnnnnnnnnn nnnnnnnnnn nnngaaatnn nnnnnnnnnn 120
nnnnnnnnnn nnnnnnnngt tgaaacggtg ctaatancct gnnnnnncaa aacnnnnnnn 180
nnnngaattnn nnnnnnnnnn gttttgcata ataagaggag gaacaattat gttnnnnnnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnncc cctcttcann nnnnnnnnnn aagnnnnnnn 300
nnntgaaga ggggggtttt atattgatag aaatgaggga gatttgtgaa attactagat 360
ttattgtcaa aaggaattgt aataggatgat ggtgcggtg gaacattatt acattcacac 420
ggtttgcaaa gtagttttga agaattgaat atatctgac cagatttaat tatatcgatt 480
cataag 486
```

<210> 198

<211> 486

<212> RNA

<213> Bacillus anthracis

<220>

<221> misc_feature

<222> (23)...(304)

<223> n = g, a, c or t/u

```
<400> 198
ggatactctc ttatcccgag ctngggcgga ggganncagg nnnnccgat gaagccnnnc 60
agcaacctca cttgtannnn nnnnnnnnnn nnnnnnnnnn ngtggtaaan nnnnnnnnnn 120
nnnnnnnnnn nnnntacagg tgaatagggtg ctaaaancct gnnntgncga ggctnnnnnn 180
nnnnnacann nnnnnnnnnn gtctcgaaacg ataagagcga agggcaaaaa gcagtatgca 240
agtagcaaat taaannnnnn nnnnnnnncc tttcctctnn nnnnnnnnat ataannnnnn 300
nnnnagtagg aaagggtttt ctgtatgctt gtgtgggaga ataaatgtat gtcgcaatct 360
gtggcaaatt aaggatgagt tccgtacaat atatacaatt actgtaggga ggtttaccac 420
atgacaaaaa aacgtcatct gttcacatct gagtctgtaa ctgaaggaca tccagataaa 480
atttgt 486
```

<210> 199

<211> 486

<212> RNA

<213> Bacillus anthracis

<220>

<221> misc_feature

<222> (22)...(304)

<223> n = g, a, c or t/u

```
<400> 199
ctgatttctc ttatcaagag annnggtgga gggacntgtg nnnncctgt gaagccnnnc 60
ggcaaccgtc aacnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnttatnnn nnnnnnnnnn 120
nnnnnnnnnn nnnnnnnngt tgaaatggtg ccaattncct gnnnnnncaa agcnnnnnnn 180
nnnaaatgn nnnnnnnnnn nctttgagag atgagagaga gggataatgt tggtatatac 240
gcatataaan nnnnnnnnnn nnnnnnnncc tttctgcttn nnnnnnnnnn tctannnnnn 300
nnnaagcgg aaagggtttt ttgttgtttg aatgtggagg acattcaaata aataaaaagta 360
atgagaacgg tgggctaccg tatcaaaaat aaaaaattgc ggagtcaatc aaaaatctag 420
ctccagcggc tagaacagtc ggtcgtttca tcccttccta tgaggcaaaa agcgcctcta 480
agtctg 486
```

<210> 200
 <211> 486
 <212> RNA
 <213> *Bacillus anthracis*

<220>
 <221> misc_feature
 <222> (22)...(301)
 <223> n = g, a, c or t/u

<400> 200
 ttgcatagtc ttatcaagaa annaggtgga ggganncagg nnnncccgat gaaacctnnt 60
 ggcaacagcc gtnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnatannn nnnnnnnnnnn 120
 nnnnnnnnnnn nnnnnnnnnna cggaattgtg ccaaattncct gnnnnnnncag gnnnnnnnnnn 180
 nntaataaat nnnnnnnnnnn nncctgagag ataagaaaga gccttttagag cgtgtttttca 240
 aannnnnnnnn nnnnnnnnnnn nnnnnnnnnct gctcctttct tgnnnnnnnt tttnnnnnnnn 300
 ncaggaaagg ggcagttttt tatttttgtat aaaagaaagg agaatgagaa atgggagaaat 360
 catgggggaa aggaacgatt tgtgtgcaag gtggctatac gccaaagaat ggagaaccgc 420
 gtgtttttacc gctttatcaa agcacgacgt ataaatatga tacttcggat gatttagcag 480
 cattat 486

<210> 201
 <211> 486
 <212> RNA
 <213> *Bacillus cereus*

<220>
 <221> misc_feature
 <222> (21)...(298)
 <223> n = g, a, c or t/u

<400> 201
 cgatacatte ttatccagag nnnaggtgga gggannctgg nnnnccctac gatacctnnc 60
 agcaacgggt tnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnntttttnn nnnnnnnnnnn 120
 nnnnnnnnnnn nnnnnnnnnnn naataccgtg ctaactncca gnnnnnnncaa gcctnnnnnnn 180
 nnnnatgaan nnnnnnnnnna ggcttggaag atgagaagat gtgaacgagt acatataann 240
 nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnngt gctctccttc ttatcnnttt atgggttnnga 300
 taagaaggag agcacttttt attttacctc gagagctctg cttcaagttt tcacagcata 360
 taggagggga aaaaatgatt tcttttaaca atgtaagtaa agtatatgaa acagggtggc 420
 aatctgttca tgcggtggag gatgtaacat tatcagttga gaaaggcgaa atttttggca 480
 ttatcg 486

<210> 202
 <211> 486
 <212> RNA
 <213> *Bacillus cereus*

<220>
 <221> misc_feature
 <222> (21)...(304)
 <223> n = g, a, c or t/u

<400> 202

```

caaacaattc ttatgttgag nnaaagtgga ggganncgga nnnccctat gaaacttnc 60
ggcaacctcg tnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnatgagnn nnnnnnnnnn 120
nnnnnnnnnn nnnnnnnnnn acgaaaggtg ccaaattcct gnnnnnnncag gtgnnnnnnn 180
nnaaagaaan nnnnnnnnnn cacctgaaag ataagagcgg ttcaattagt caagaagnnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnngc tactcttatn nnnnnnnnnt tcgnnnnnnn 300
nnnnataaga gtagcttttt ttatggctaa aagttaaagg gggaatagggt agtggagtat 360
ggtttttggt tgccgatttt tgggggatgg cttcggaatg taaatgatga atctatgccg 420
cctacgtttg agtatgcaaa acaaacggcg caagcggcag aacaattagg tttttcaaca 480
acactt

```

<210> 203

<211> 486

<212> RNA

<213> *Bacillus cereus*

<220>

<221> misc_feature

<222> (22)...(308)

<223> n = g, a, c or t/u

<400> 203

```

aatacaaagc ttatcaagag annnagcggg gggaaactgg nnnccccggc gaagctnnnc 60
ggcaacctgc tnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnatagann nnnnnnnnnn 120
nnnnnnnnnn nnnnnnnnnn aagcaaggtg ctaaattcca gnnnnnncaa aatggnnnnn 180
nnnnnaatnn nnnnnnnncc attttgaaag ataaggtaaa atatattacc gaacagnnnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnntc ttttcnnnnn nnnnnnnnga aatgnnnnnn 300
nnnnnnnnng aaagattttt tttatgaata aaaagggggg ctgttcgcgt gagcgtacgg 360
gaacattttg aggaagtatc tgagaaaatt gaagcgtatc ttgctgatat gaaatatggt 420
tcaattacaa ttgttgtgca agatggcaaa gtcattcaat tagagaaaag tgaaaaagta 480
cgttta

```

<210> 204

<211> 486

<212> RNA

<213> *Bacillus cereus*

<220>

<221> misc_feature

<222> (21)...(305)

<223> n = g, a, c or t/u

<400> 204

```

tgaaaccttc ttataaagag nnnaggcggg gggannctgg nnnccctac gatgcctnnc 60
ggcagcggac tnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nngatttcan nnnnnnnnnn 120
nnnnnnnnnn nnnnnnnnnn gagtgcgtg ccaaattcca gnnnnnncaa gcnnnnnnnn 180
nnnnnatatn nnnnnnnnnn ngcttgaaag atgagaagag cgtttcttat agatgtataa 240
nnnnnnnnnn nnnnnnnnnn cctcttctnn nnnnnnnnnc gatnnnnnnnn 300
nnnnnggaag aggtcttttg ttattcatta gaaaaaggtt gaaactaggg agagatggta 360
ctttgaaaga aacgagagga aatggtttgg cattattacc acttgggata tttttggcgc 420
tattttattg ttctggaatt attacaggtg atttctataa attgccgata cttgtagcaa 480
tttcaa

```

<210> 205
 <211> 486
 <212> RNA
 <213> Bacillus cereus

<220>
 <221> misc_feature
 <222> (21)...(306)
 <223> n = g, a, c or t/u

<400> 205
 aaattaatac ttatccagag nnnaggtgga ggggaanncg nnnnccctat gaaacctnnc 60
 agcaaccctt atannnnnnn nnnnnnnnnn nnnnnnnnnn nntatattnn nnnnnnnnnn 120
 nnnnnnnnnn nnnnnnnnta taggaagggtg ctaattncg nnnnnnnncag agaacacnnn 180
 nnnnngatnn nnnnnngtgt tttttggaag ataagaggat tcttgaacgt gaaagaaaan 240
 nnnnnnnnnn nnnnnnnnnn nnnnnnnntg acctcttnnn nnnnnnnnna tgtnnnnnnn 300
 nnnnnnaaga ggtcattttt tgttgtatag aaagggagtg tcgatgcata attcattttc 360
 aaaataaata tagagtaata aaagttgact attaagaggg gagaattgta atgaataaat 420
 tatcaacaaa attagtagtg gcaatcgga ttggagcagc attatacggg atattaggac 480
 tttggg 486

<210> 206
 <211> 486
 <212> RNA
 <213> Bacillus cereus

<220>
 <221> misc_feature
 <222> (21)...(304)
 <223> n = g, a, c or t/u

<400> 206
 atgaaaattc ttatcacgag nnnaggtgga gggannctgg nnnnccctat gatacctnnc 60
 ggcagcggat tcgnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnttannn nnnnnnnnnn 120
 nnnnnnnnnn nnnnnnnnnt gaatactgtg ccaattncga gnnnnnnncaa gnnnnnnnnn 180
 nnnngtaann nnnnnnnnnn nncttgaaag ataagaaaga agctcatttt gactgtatat 240
 gcagaannnn nnnnnnnnnn nnnnnnnngc ctctttctan nnnnnnnnnt ctttnnnnnn 300
 nnnntagaaa gaggcctttt tatgtgaaaa tataaggggg aagaaaaatg ggagcgacag 360
 gagtaacgtc acaaagaaaa acaattgaag agagtattga aagaaataag gaaaagtaca 420
 tagaaacaag tcacgatatt catgcgaatc cggagattgg taaccaagag ttttacgcat 480
 caagaa 486

<210> 207
 <211> 486
 <212> RNA
 <213> Bacillus cereus

<220>
 <221> misc_feature
 <222> (21)...(305)
 <223> n = g, a, c or t/u

```
<400> 207
attagttttc ttattaagag nnnagatgga gggannctgg nnnncccgat gaaatctnnc 60
agcaacaggc tnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnataaann nnnnnnnnnnn 120
nnnnnnnnnnn nnnnnnnnnnn nagtactgtg ctaagtncca gnnnnnnncaa acgtnnnnnnn 180
nnnnnatgaan nnnnnnnnnng cgtttggaag atgaggggaa atggattaac attcaannnnn 240
nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnct cttcttatnn nnnnnnnnnna tgtnnnnnnnn 300
nnnnngtaag aagagttttt tatttagaga ggggggatag agtgaagttt gatgtaacgt 360
atTTTTtaga aagttttccg caattattta agtatgtata cataacttta ggaattactg 420
tagtttcaat gattatttct tttgttatag ggataggttt ggcgatcata acgaaaaaca 480
aaacga 486
```

<210> 208

<211> 486

<212> RNA

<213> *Bacillus cereus*

<220>

<221> misc_feature

<222> (22)...(308)

<223> n = g, a, c or t/u

```
<400> 208
gaatatTTTtc ttatccagag annnggtgga gggannctgg nnnncccgat gaaaccnnnc 60
agcaaccgcn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnngatnnn nnnnnnnnnnn 120
nnnnnnnnnnn nnnnnnnnnnn nnngcagggtg ctaattncca gnnnnnnncag aacannnnnnn 180
nnnnnattnn nnnnnnnnnnt gttctgggag ataagacgaa gatataatacg taannnnnnnn 240
nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnct tcttcnnnnn nnnnnnnnnnt tatcnnnnnnn 300
nnnnnnnnngg agaggttttt ttattgcaaa aaaaccgatt acgaaaattt atattaagaa 360
gaaagggggt ggcgattact gtgacactcg aaaaatacgt caaactgcgt agtacagttt 420
atgaatatat gatagagcaa gataagccaa tatcattggt agatattcaa gaacatatcg 480
tttcgc 486
```

<210> 209

<211> 486

<212> RNA

<213> *Bacillus cereus*

<220>

<221> misc_feature

<222> (23)...(309)

<223> n = g, a, c or t/u

```
<400> 209
taaatacttc ttatcaagag cannggtgga ggganncgag nnnncccgac gaaaccnnnc 60
ggcaaccgat ctacnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnaattnnn nnnnnnnnnnn 120
nnnnnnnnnnn nnnnnnnnnngt agacacgggtg ctaattnctc gnnnnnnncag cnnnnnnnnnn 180
nnnnattacn nnnnnnnnnnn nngctgacag ataaggagct ggttgtaaaa aaannnnnnnn 240
nnnnnnnnnnn nnnnnnnnnnn nnnnnnnncc tctcnnnnnn nnnnnnnnnct tagctnnnnnn 300
nnnnnnnnngg agaggttttt ttatttaact aggaggttat aacaatgagc ggaattatag 360
cgacatatTTt aatccatgat gattcacata acttagaaaa aaaagctgag caaattgcac 420
tcggtttaac aattggctct tggactcatt tgccacattt attgcaagaa caattaaagc 480
agcata 486
```

<210> 210
 <211> 486
 <212> RNA
 <213> *Bacillus cereus*

<220>
 <221> misc_feature
 <222> (22)...(304)
 <223> n = g, a, c or t/u

<400> 210
 agacaaactc ttattgagag cnnnggtgga gggannaagg nnnnccctgt gaaaccnnnc 60
 ggcaaccttc aaacnnnnnn nnnnnnnnnn nnnnnnnnnn nnnngaatnn nnnnnnnnnn 120
 nnnnnnnnnn nnnnnnnngt tgaaacggtg ctaatancct gnnnnnncaa aacnnnnnnn 180
 nnnngaatnn nnnnnnnnnn gttttgcata ataagaggag gatcgattat gtannnnnnnn 240
 nnnnnnnnnn nnnnnnnnnn nnnnnnnncc ccctcttcan nnnnnnnnnn aagnnnnnnn 300
 nnnntgaaga ggggggtttt atattgatag aaatgaggga gatttgtgaa attactagat 360
 ttattatcaa aaggaattgt aataggtgat ggtgcggttg ggacgttatt acattcacat 420
 ggtttacaag gtagttttga agaattgaat atatctgac cagatttaat tatatcgatt 480
 cataag 486

<210> 211
 <211> 486
 <212> RNA
 <213> *Bacillus cereus*

<220>
 <221> misc_feature
 <222> (21)...(308)
 <223> n = g, a, c or t/u

<400> 211
 acgaacattc ttatctagag nnnaggtaga gggannctgg nnnnccctat gacgcctnnc 60
 agcaaccatt aacnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnatttnnn nnnnnnnnnn 120
 nnnnnnnnnn nnnnnnnngt taataaggtg ctaattacca gnnnnnncaa attnnnnnnn 180
 nnnngtgaan nnnnnnnnnn gatttgacag atgagaagaa gactctattc aaaccgaaan 240
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnngc cttctnnnnn nnnnnnnnnt cttnnnnnnn 300
 nnnnnnnnag aagggtttt tattttatat tcaactaatg gttcaattta aaaaggagga 360
 attttcacat gtcaactatc gaaacaaaat tagcgcaaat cggaaaccgg agtgaaacta 420
 caacaggaac tgtaaatcca cctgtttatt tttcaactgc ttatcgtcac gaaggaattg 480
 gtaaat 486

<210> 212
 <211> 486
 <212> RNA
 <213> *Bacillus cereus*

<220>
 <221> misc_feature
 <222> (23)...(306)
 <223> n = g, a, c or t/u

```
<400> 212
tatacaactc ttatcaagag cannggtgga gggatnttgg nnnncccgat gaagccnnnc 60
agcaaccgac cnnnnnnnnnn nnnnnngtaa taccattgtg aaatggggcg tttatttacg 120
ccaaaannnn nnnnnnnnnn nggcacggtg ctaattacca gnnnnnnncag aaagtannnn 180
nnnnnaaann nnnnnnnnac tttctggcag ataagagggg agaagataaa cttcaaannn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnncc tctttctnnn nnnnnnnnnt agtnnnnnnn 300
nnnnnnggaa agagggtttt ctacgtcaga aaaacctctg aatataaaaa agggggagaa 360
gacgatggga tattatgcat taactgaaac aacagctata caatatgcga aagaacacgg 420
ttattttgaa aagaaagcaa atgtattttg tcatgaaatt ggagatggaa atttaaatta 480
cgtgtt 486
```

```
<210> 213
<211> 486
<212> RNA
<213> Bacillus cereus
```

```
<220>
<221> misc_feature
<222> (23)...(307)
<223> n = g, a, c or t/u
```

```
<400> 213
ggatactctc ttatcccgag ctngggcgga ggganncagg nnnncccgat gaagccnnnc 60
agcaacctca cttgtannnnn nnnnnnnnnn nnnnnnnnnn attggtaaac nnnnnnnnnn 120
nnnnnnnnnn nnnnnnacaag tgaatagggtg ctaaaancct gnnntgncga ggctnnnnnn 180
nnnnnacann nnnnnnnnng gtctcgaacg ataagagcga agggcaaaaa gcagtatgca 240
agtagcaaat taaannnnnn nnnnnnnncc tttcctnnnn nnnnnnctct attatgtann 300
nnnnnnnagg aaagggtttt ctgtatgctt gtgtgggaga ataaatgtat gtcgcaactc 360
gtggcaaat aaggatgagt tccgtacaat atatacaatt actgtaggga ggttaccac 420
atgacaaaaa aacgtcatct gttcacatct gagtctgtaa ctgaaggaca tccagataaa 480
atttgt 486
```

```
<210> 214
<211> 486
<212> RNA
<213> Bacillus cereus
```

```
<220>
<221> misc_feature
<222> (22)...(304)
<223> n = g, a, c or t/u
```

```
<400> 214
ctgatttctc ttatcaagag annnggtgga gggacntgtg nnnnccctgt gaagccnnnc 60
ggcaaccgtc aacnnnnnnn nnnnnnnnnn nnnnnnnnnn nnntttatnn nnnnnnnnnn 120
nnnnnnnnnn nnnnnnnngt tgaaatgggtg ccaattncct gnnnnnncaa agcnnnnnnn 180
nnnnaaatnn nnnnnnnnnn gctttgagag atgagagaga gggataatgt tgttatatac 240
gcacataaan nnnnnnnnnn nnnnnnnncc tttctgcttn nnnnnnnnnc tctannnnnn 300
nnnnaggcag aaagggtttt ttgttgtttg aatgtggagg acattcaaata aataaaaagta 360
gtgataacgg tggactacac gcattaaaca taaaaaattg cggagtcgat ccaacaaaaa 420
aaggggtgat acaccatgat tctattagag aatgtaaaga aaatatataa agcaaaaagc 480
ggtgat 486
```

<210> 215
 <211> 486
 <212> RNA
 <213> *Bacillus cereus*

<220>
 <221> misc_feature
 <222> (22)...(301)
 <223> n = g, a, c or t/u

```
<400> 215
ttgcatagtc ttatcaagaa annaggtgga ggganncagg nnnncccgat gaaacctnnt 60
ggcaacagcc gtnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnatannn nnnnnnnnnn 120
nnnnnnnnnn nnnnnnnnna cggaattgtg ccaaattcct gnnnnnnncag gnnnnnnnnn 180
nntaataaac nnnnnnnnnn nncctgagag ataagaaaga gccttttagag cgtgttttca 240
aannnnnnnn nnnnnnnnnn nnnnnnnnct gtccttttct tgnnnnnnnt tttnnnnnnn 300
ncaggaaagg ggcagttttt tattttgtat aaaagaaagg agaataagag atggggagaat 360
catgggggaa aggaacaatt tgcgtgcaag gtggctatac gccaaagaat ggtgaaccgc 420
gtgttttacc gctttatcaa agtacaacgt ataaatacga tacttcggat gatttagcag 480
ccttat                                         486
```

<210> 216
 <211> 486
 <212> RNA
 <213> *Bacillus cereus*

<220>
 <221> misc_feature
 <222> (21)...(304)
 <223> n = g, a, c or t/u

```
<400> 216
tttactcatt gtatcaagag nnnaggtgga gggannctgg nnnncccttt gaaacctnnc 60
ggcagcaggt tcannnnnnn nnnnnnnnnn nnnnnnnnnn nnnnttttnn nnnnnnnnnn 120
nnnnnnnnnn nnnnnnnnnt gaatactgtg ccacttncct gnnnnnncaa gctnnnnnnn 180
nnnnttatnn nnnnnnnnnn agcttgaaag atagaatgag ggacttcggt tatatacggg 240
tgcataactt gtacgtaaaa annnnnnnntc cctctttcnn nnnnnnnntc aatatnnnnn 300
nnnngaaaag agggattttt tatttttcat ttccctcatc atcatccaaa cttattatt 360
taggaggaaa atcaaatgaa aaaaaagttt gtaccggtta ttgcatcagt tgtaggagta 420
agtattttat taactgggtg cggtagttat aaaaacgaag caagcggagc aaatgcaaaa 480
gacgag                                         486
```

<210> 217
 <211> 486
 <212> RNA
 <213> *Bacillus cereus*

<220>
 <221> misc_feature
 <222> (22)...(306)
 <223> n = g, a, c or t/u

```

<400> 217
acacatactc ttatcaagag tnnnggcgga gggannctgg nnnncccgat gatgccnnnc 60
ggcaaccgag cttatannnn nnnnnnnnnn nnnnnnnnnn nnnnacgnnn nnnnnnnnnn 120
nnnnnnnnnn nnnnnntata agctaagggtg ctaattncct gnnnnnncaa aacgannnnn 180
nnnngttcnn nnnnnnnntc gttttggaag ataagagagg aatctatatt gtctattcgn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnngc acctctcnnn nnnnnnnnta tttttnnnnn 300
nnnnnngaga ggtgcttttt attttggaac gtatatttaa gggggaatta tagatgaaga 360
aagtattatt aagcattgta agtggggctg tattattatt aagcgcattg agcgggagtt 420
cagataaaga agtaaaagcg ttagatgaga aaaagattac tgtcgggtga acaggagggc 480
ctcatg 486

```

```

<210> 218
<211> 486
<212> RNA
<213> Bacillus cereus

```

```

<220>
<221> misc_feature
<222> (21)...(303)
<223> n = g, a, c or t/u

```

```

<400> 218
agcaatttac ttatccagag nnnaggtaga gggannctgg nnnnccctat gacacctnnc 60
agcagcgggt tctnnnnnnn nnnnnnnnnn nnnnnnnnnn nngtaatann nnnnnnnnnn 120
nnnnnnnnnn nnnnnnnnng gaacaccgtg ctaattncct gnnnnnncaa gnnnnnnnnn 180
nnnncaagtn nnnnnnnnnn nncttgaaag ataagtgatg ggcctttgtt tattaannnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnngc cttgatctta nnnnnnnntt tttttnnnnn 300
nnntaagatc aaggcttttt gtattctaaa aagagaaaag ggagtaatgg aaaaagtacg 360
ttcataaaac taagtaaata tatgtgttta ggggggttatt ggagtgtatg taattaaaaa 420
attatcagtt atggtgttca cgctatgggt tattacgacg gtgacatttc taattatgca 480
tattat 486

```

```

<210> 219
<211> 505
<212> RNA
<213> Agrobacterium tumefaciens

```

```

<220>
<221> misc_feature
<222> (24)...(469)
<223> n = g, a, c or t/u

```

```

<400> 219
uacuauaugu gguguucaag guuncuuccg auucnnnnnn nnnnnngcua nnnnnnnnnn 60
nnngggguugg gagcunnaag acgggaaunu cggugcguaa cgccnnnauc acnnnnnggcg 120
gagcaaggcc gaaacugccc ccgcaacugu gangcggnnn nnnnnnnnnn nnnnnnnnnn 180
nnnnnnnnnn nnnnnnnnnn cgagcaucgu uccgauuugn nnnnnnnnnn nnnnnnnnnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnag ccacuggagc 300
nnnnnnnnnn nnnnnnnnnn nnnnnnncaa aannnnnnnn nnnnnnnnnn nnnnnnnnnn 360
nnnnnnngcu ccgggaaggc uggaauagau guugugacnn nnnnnnnnnn nnnnnnnnnn 420
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnccgcnaa agucaggaga 480
ccugccuuga gcgcaaaugu ccacg 505

```

<210> 220
 <211> 505
 <212> RNA
 <213> Agrobacterium tumefaciens

<220>
 <221> misc_feature
 <222> (23)...(469)
 <223> n = g, a, c or t/u

<400> 220
 ccuuauguga gaaagcgacg gunnuccuac agccnnnnnn nnnnnngaaa nnnnnnnnnn 60
 nnnnggcgaag ggauunnaau angggaacna uggugcgggc gannnnnnuc uuunnnnnnuc 120
 guccaauGCC uuggcugccc ccgcaacugu aangcggauu nnnnnnnnnn nnnnnnnnnn 180
 nnnnnnnnnn nnnnnnnnnn nnnnnnnngu uguucauccc agugacgcuu gaaggcgua 240
 unnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnng ccacuguuuu 300
 unnnnnnnnn nnnnnnnnnn nnnnnnnnuu cgnnnnnnnn nnnnnnnnnn nnnnnnnnnn 360
 nnnnnngaau gcggaagc nagaugaggg acgcannnnn nnnnnnnnnn nnnnnnnnnn 420
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn aaucgunng agccaggaga 480
 ccugccguca aauggaaac caugc 505

<210> 221
 <211> 505
 <212> RNA
 <213> Agrobacterium tumefaciens

<220>
 <221> misc_feature
 <222> (24)...(469)
 <223> n = g, a, c or t/u

<400> 221
 cggaauacau guccgugaug guunccuucc gggnnnnnnn nnnnnncgun nnnnnnnnnn 60
 nnnnucgga aggugnaaaa angggaacna cgauagggan nnnnnnnnca aannnnnnnn 120
 nuccuauuc guggcugccc ccgcaacugu gangcggnnn nnnnnnnnnn nnnnnnnnnn 180
 nnnnnnnnnn nagagccuga aacgaaaugc cacuggcaan nnnnnnnnnn nnnnnnnnnn 240
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnng ccaucucnnn 300
 nnnnnnnnnn nnnnnnnnnn nnnngccucc aucaannnnn nnnnnnnnnn nnnnnnnnnn 360
 nnnnnnnnnn gggggaagc aaugccggga agguguuuca gguuuugacn nnnnnnnnnn 420
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnccgunna agccaggaga 480
 ccugccauca cggaauauc caugc 505

<210> 222
 <211> 505
 <212> RNA
 <213> Agrobacterium tumefaciens

<220>
 <221> misc_feature
 <222> (24)...(469)
 <223> n = g, a, c or t/u

```
<400> 222
gacauugguu agccaucgug guuncugcgg acnnnnnnnnn nnnnnngaag nnnnnnnnnn 60
nnnnnguccg gagcunnaag angggaaunu cggugagggc unnnnnuuaa ucacnnnnna 120
gccugaaucc gaagcugccc ccgcaacugu aangcgnnnn nnnnnnnnnn nnnnnnnnnn 180
nnnnnnnnnn nnnnnnnnnn nnnnacgagc gaaaguccau caunnnnnnnn nnnnnnnnnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnng ucacugaggn 300
nnnnnnnnnn nnnnnnnnnn nnnnnnnncc ggnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 360
nnnnnnnncc ucgggaagac nnggaccaa gcuaugaccn nnnnnnnnnn nnnnnnnnnn 420
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnncgcna agccaggaga 480
ccugccgcga uagauaacgu ccacg 505
```

```
<210> 223
<211> 505
<212> RNA
<213> Agrobacterium tumefaciens
```

```
<220>
<221> misc_feature
<222> (24)...(469)
<223> n = g, a, c or t/u
```

```
<400> 223
cccuaugcuu cuccggucag gugnccegcc nnnnnnnnnn nnnnnncuug cnnnnnnnnn 60
nnnnnnnggc gggagnnaau cngggaaunc cggugannnn nnnnnnnnnn nnnnnnnnnn 120
nnnnaagacc ggaacgugnc ccaacgcugu aangcgnnnn nnnnnnnnnn nnnnnnnnnn 180
nnnnnnnnnn nnnnnnnnnn nnnnnngaug cucuuuuucu caunnnnnnnn nnnnnnnnnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnng ccacugaann 300
nnnnnnnnnn nnnnnnnnnn nnnnnnnng caannnnnnn nnnnnnnnnn nnnnnnnnnn 360
nnnnnnnnnn ucgggaaggc nngaaagggg cggaugaann nnnnnnnnnn nnnnnnnnnn 420
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnngcunnu agucagaaga 480
ccggccuggc aggauagacc gaacc 505
```

```
<210> 224
<211> 505
<212> RNA
<213> Agrobacterium tumefaciens
```

```
<220>
<221> misc_feature
<222> (23)...(469)
<223> n = g, a, c or t/u
```

```
<400> 224
cuaaggguaa gggacugacg gunncuuuuc ccgnnnnnnn nnnnnngcaa nnnnnnnnnn 60
nnnnccggaa aagcunnaag angggaacna cgguuccgcc cnnnnnncga gaaannnnnn 120
gggucauucc guggcugccc ccgcaacugu aangcggunn nnnnnnnnnn nnnnnnnnnn 180
nnnnnnnnnn nnnnnnnnnn nnnnnnnnaag cccgcaccgu aaannnnnnn nnnnnnnnnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnng ccacugaacc 300
nnnnnnnnnn nnnnnnnnnn nnnnnuuuug aucnnnnnnn nnnnnnnnnn nnnnnnnnnn 360
nnnnnnnggu ucgggaaggc nnggugacag gguguugaua nnnnnnnnnn nnnnnnnnnn 420
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nngccgcna agccaggaga 480
ccugccguuu caggaaaaag cgucu 505
```

<210> 225
 <211> 505
 <212> RNA
 <213> Bacillus halodurans

<220>
 <221> misc_feature
 <222> (23)...(469)
 <223> n = g, a, c or t/u

<400> 225
 auuucaucgu uugggaacag gunnacguua agucnnnnnn nnnnacauga uannnnnnnn 60
 nnngacuuaa uguuunnaaa angggaaunc cggugcnnnn nnnnnnnnnn nnnnnnnnnn 120
 nnnnaaaucc ggagcggucc cngccacugu canuagcnnn nnnnnnnnnn nnnnnnnnnn 180
 nnnnnnnnnn nnnnnnnnnn nnnnnnnugag uuguaacgau auunnnnnnn nnnnnnnnnn 240
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnng ucacugaccg 300
 nnnnnnnnnn nnnnnnnnnn nnnnnnnuua unnnnnnnnn nnnnnnnnnn nnnnnnnnnn 360
 nnnnnnnnugg uugggaagac nnuguugcaa uguugacnnn nnnnnnnnnn nnnnnnnnnn 420
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnngcuannng agccaggaga 480
 ccugccuguu cuaacagcac ugcuu 505

<210> 226
 <211> 505
 <212> RNA
 <213> Bacillus halodurans

<220>
 <221> misc_feature
 <222> (23)...(469)
 <223> n = g, a, c or t/u

<400> 226
 uaguguuugu ggacgguaag gunngccnnn nnnnnnnnnn nnnnnnccaag cnnnnnnnnn 60
 nnnnnnnnnn ggcuunnaaa angggaaunc uggugcnnnn nnnnnnnnnn nnnnnnnnnn 120
 nnnnaaaucc ggagcugucc ccgcaacugu gangugcunn nnnnnnnnnn nnnnnnnnnn 180
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnac gaacggaacg auuunnnnnn nnnnnnnnnn 240
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnng ccacuguaca 300
 uccucnnnnn nnnnnnnnnn nnnnuacuuc uunnnnnnnn nnnnnnnnnn nnnnnnnnnn 360
 ngagaaaugu augggaaggc nnuucuaagu agguaannnn nnnnnnnnnn nnnnnnnnnn 420
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnagcacnng agucaggaga 480
 ccugccuac uuccacaagu uucgc 505

<210> 227
 <211> 505
 <212> RNA
 <213> Bacillus halodurans

<220>
 <221> misc_feature
 <222> (23)...(469)
 <223> n = g, a, c or t/u

```
<400> 227
uaagcacgcu caagcauuag gunngguuca annnnnnnnnn nnnnacaauc ggnnnnnnnnn 60
nnnnnnuuga aucugnnaaa angggaagnc uggugannnn nnnnnnnnnn nnnnnnnnnn 120
nnnnaagucc agcacggunc gcgccacugu aaauaggnnn nnnnnnnnnn nnnnnnnnnn 180
nnnnnnnnnn nnnnnnnnnn nnnnnnnnagc uacaugugag gaannnnnnn nnnnnnnnnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnnn nnnnnnnnnn nnnnnnnnna ccacuguccn 300
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnnaa annnnnnnnn nnnnnnnnnn nnnnnnnnnn 360
nnnnnnnnngg augggaaggu nacacaugga guguugannn nnnnnnnnnn nnnnnnnnnn 420
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnnn nnnnnnnnnn nnnnucunna agucaggaga 480
ccugccuaau guaugcacuu gcacc 505
```

```
<210> 228
<211> 505
<212> RNA
<213> Bacillus halodurans
```

```
<220>
<221> misc_feature
<222> (23)...(469)
<223> n = g, a, c or t/u
```

```
<400> 228
aucguauauc ggcgugaagg gunncguuca annnnnnnnnn nnnnnnnugu nnnnnnnnnn 60
nnnnnnuuga gcgugnnaaa angggaagnc cggugannnn nnnnnnnnnn nnnnnnnnnn 120
nnnnaaaucc gacacggunc ccgccacugu aanaugnnnn nnnnnnnnnn nnnnnnnnnn 180
nnnnnnnnnn nnnnnnnnnn nnnnnnnnggag aggcugcaa ganannnnnnn nnnnnnnnnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnnn nnnnnnnnnn nnnnnnnnnu ccacuguccn 300
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnua gcnnnnnnnn nnnnnnnnnn nnnnnnnnnn 360
nnnnnnnnng acgggaagg nggcaaguac ucgaugaann nnnnnnnnnn nnnnnnnnnn 420
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnnn nnnnnnnnnn nnnncaunna agucaggaga 480
ccugccuuuc aguuugagug uguag 505
```

```
<210> 229
<211> 505
<212> RNA
<213> Bacillus subtilis
```

```
<220>
<221> misc_feature
<222> (23)...(469)
<223> n = g, a, c or t/u
```

```
<400> 229
cggauacgaa ugucaaaauag gunngccggu ccgunnnnnn nnnnnngaac annnnnnnnn 60
nnnnacagcc ggcuunnaaa angggaagnc cgguannnnn nnnnnnnnnn nnnnnnnnnn 120
nnnnaagcc ggugcggunc ccgccacugu aanuuggcnn nnnnnnnnnn nnnnnnnnnn 180
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 300
nnnnnnnnnn nnnnnnnnnn nnnnnnnncaa gcnnnnnnnn nnnnnnnnnn nnnnnnnnnn 360
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 420
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnnn nnnnnnnnnn nngccaanng agccaggaua 480
ccugccuguu ugaucagcac gaauu 505
```

<210> 230
 <211> 505
 <212> RNA
 <213> Bradyrhizobium japonicum

<220>
 <221> misc_feature
 <222> (24)...(469)
 <223> n = g, a, c or t/u

<400> 230
 cgauaaucca agucgucgag guuncuccgg uucnnnnnnn nnnnnnccau unnnnnnnnnn 60
 nnnngauccg gaggcunnaag angggaagnc cggugcnnnn nnnnnnnnnn nnnnnnnnnn 120
 nnnaaaugcc ggcucugccc ccgcaacugu gangcggnnn nnnnnnnnnn nnnnnnnnnn 180
 nnnnnnnnnn nnnnnnnnnn nnnncgagcc gcuguccgac gaunnnnnnn nnnnnnnnnn 240
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnng ucgcugaagc 300
 cnnnnnnnnn nnnnnnnnnn nnnnnnnnnug cacnnnnnnn nnnnnnnnnn nnnnnnnnnn 360
 nnnnnnggcu ucgggaaggc nncggacagc agcgaugann nnnnnnnnnn nnnnnnnnnn 420
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnccagcna agccaggaga 480
 ccggccccga caauauauug gucca 505

<210> 231
 <211> 505
 <212> RNA
 <213> Bradyrhizobium japonicum

<220>
 <221> misc_feature
 <222> (24)...(468)
 <223> n = g, a, c or t/u

<400> 231
 caaauaggugg cccggcguug guuncucguc nnnnnnnnnn nnnnnncuau nnnnnnnnnn 60
 nnnnnnnngac aggcgnnaag angggaauug cgauangggg ccgaauccggc aangauuugg 120
 guccaaaaun gcagccgccc ccgcgaccgu gaccggagnn nnnnnnnnnn nnnnnnnnnn 180
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn agaugcccga gnnnnnnnnn nnnnnnnnnn 240
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnng ccacugauc 300
 cnnnnnnnnn nnnnnnnnnn nnnnnnnnnug acnnnnnnn nnnnnnnnnn nnnnnnnnnn 360
 nnnnnnggga ucgggaaggc nnggggaucg aagggaacaa cccugnnnnn nnnnnnnnnn 420
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nncuccgnca agccgggaga 480
 ccugccagcg cggacgauuu uggac 505

<210> 232
 <211> 505
 <212> RNA
 <213> Bradyrhizobium japonicum

<220>
 <221> misc_feature
 <222> (23)...(469)
 <223> n = g, a, c or t/u

```

<400> 232
gggcacacag gacgggcaug gunngcucga gguggcgcn nnnnnnaaa nnnnnnnnnn 60
nnngcgccgg agcaunnaau cngggaaung ggaungggc ggaccnagu ugcnnnggc 120
gccccaaaacc ccagccgccc ccgcgacugu aangcggunn nnnnnnnnnn nnnnnnnnnn 180
nnnnnnnnnn nnnnnnnnnn nnnnnngag gggcuccgaa ccnnnnnnnn nnnnnnnnnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnng ccacugggcc 300
nnnnnnnnnn nnnnnnnnnn nnnnnnnng caannnnnn nnnnnnnnnn nnnnnnnnnn 360
nnnnnnnggu ccgggaaggc nncggagaac cccagugann nnnnnnnnnn nnnnnnnnnn 420
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnaccgcng agccaggaga 480
ccggccgugc auguuugag gcaa 505

```

```

<210> 233
<211> 505
<212> RNA
<213> Bradyrhizobium japonicum

```

```

<220>
<221> misc_feature
<222> (24)...(469)
<223> n = g, a, c or t/u

```

```

<400> 233
aauccuagau gcucgagacg guunucuccc nnnnnnnnn nnnnnngaga nnnnnnnnnn 60
nnnnnnnnng ggaugnnaaa angggaacng cggugcggg annnnnnnug uunnnnnnnu 120
ccccaaugcc gcggcgucc ccgcaacugu aangcggnnn nnnnnnnnnn nnnnnnnnnn 180
nnnnnnnnnn nnnnnnnnnn nnnnnnauaau ccuucgucag aannnnnnnn nnnnnnnnnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnng ccacuggggn 300
nnnnnnnnnn nnnnnnnnnn nnnnnnuccu cggunnnnnn nnnnnnnnnn nnnnnnnnnn 360
nnnnnnnnnc ccgggaaggc nngacgaagu ggugacgacn nnnnnnnnnn nnnnnnnnnn 420
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnccgcng agccaggaga 480
ccugccguca gccgugguca cacgc 505

```

```

<210> 234
<211> 505
<212> RNA
<213> Bradyrhizobium japonicum

```

```

<220>
<221> misc_feature
<222> (23)...(469)
<223> n = g, a, c or t/u

```

```

<400> 234
ucguagauug aucggugacg gunnucuccn nnnnnnnnn nnnnnngcac nnnnnnnnnn 60
nnnnnnnnng agaucnnaaa angggaacng uggugcgaga uugucccaau gccgggauug 120
ucccaacgcc acggcgucc ccgcaacugu aangcggnnn nnnnnnnnnn nnnnnnnnnn 180
nnnnnnnnnn nnnnnnnnnn nnnnnnugaau cuuucgucan aunnnnnnnn nnnnnnnnnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnng ccacugggan 300
nnnnnnnnnn nnnnnnnnnn nnnnnnaucu cggnnnnnnn nnnnnnnnnn nnnnnnnnnn 360
nnnnnnnnnuc cugggaaggc nngacguaag guaacgacn nnnnnnnnnn nnnnnnnnnn 420
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnccgcng agccaggaga 480
ccugccguca gccgugguca cacgc 505

```

<210> 235
 <211> 505
 <212> RNA
 <213> Brucella melitensis

<220>
 <221> misc_feature
 <222> (23)...(469)
 <223> n = g, a, c or t/u

<400> 235
 aucgcaauuu ucaggagacg gunnuccgcc nnnnnnnnnn nnnnnnauug cnnnnnnnnnn 60
 nnnnnnnggc ggaugnnaaa angggaacna cggugaagcc nnnnnnnnau agnnnnnnnnn 120
 ggcugaaacc gagacugccc ccgcaacugu aanccggnnn nnnnnnnnnn nnnnnnnnnnn 180
 nnnnnnnnnn nnnnnnnnnn nnnnnnagagc uauccuccac aggccgcgca agcggccaaa 240
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnng ccacugaaag 300
 cagcnnnnnn nnnnnnnnnn nnnnnnnnaau aunnnnnnnn nnnnnnnnnn nnnnnnnnnnn 360
 nnnngcugcaa ucgggaaggc nnggaggcaa agcgaagacn nnnnnnnnnn nnnnnnnnnnn 420
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnncccggnna agucaggaga 480
 ccugccguau ccggucaccc augcu 505

<210> 236
 <211> 505
 <212> RNA
 <213> Brucella melitensis

<220>
 <221> misc_feature
 <222> (23)...(469)
 <223> n = g, a, c or t/u

<400> 236
 agugucaaac caugugacag gunnuuugcc ggnnnnnnnn nnnnaacgaa uccnnnnnnnn 60
 nnnnccggca auaccnnaaa angggaauug cgacngacg gaccennacg ccnnnnnnggg 120
 cgucuuuau cgcagccgacc ccgcgacugu agagcggnnn nnnnnnnnnn nnnnnnnnnnn 180
 nnnnnnnnnn nnnnnnnnnn nnnnnnagagg gaagaggcaa gccgggcaac cggcannnnn 240

 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnng ccacuggaaa 300
 ucnnnnnnnn nnnnnnnnnn nnnnnnnnaga ugnnnnnnnn nnnnnnnnnn nnnnnnnnnnn 360
 nnnnnngauuu cugggaaggc nngcuuuauu cccaagacn nnnnnnnnnn nnnnnnnnnnn 420
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnccgcng agccaggaga 480
 ccugccuguu gcaugagggc auugc 505

<210> 237
 <211> 505
 <212> RNA
 <213> Brucella melitensis

<220>
 <221> misc_feature
 <222> (23)...(469)
 <223> n = g, a, c or t/u

```
<400> 237
gccguaauac cgucaugacg gunnucuccg accgnnnnnn nnnnnnagag nnnnnnnnnn 60
nnnncgaagg ggauunnaau angggaacna cggugaggac gaccennauc aannnnnnngg 120
ggccgagacc guggcugccc ccgcaacugu aangcggann nnnnnnnnnn nnnnnnnnnn 180
nnnnnnnnnn nnnnnnnnnn nnnnnnuugc cguucauccu cgugacgccg aaagcgucan 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnng ccacugugcc 300
nnnnnnnnnn nnnnnnnnnn nnnnnnnnca cnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 360
nnnnnnnggc acgggaaggc nagauggacg gcgauuannn nnnnnnnnnn nnnnnnnnnn 420
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnuccgcna agccaggaga 480
ccugccgucu uacguagucc auugu 505
```

```
<210> 238
<211> 505
<212> RNA
<213> Brucella melitensis
```

```
<220>
<221> misc_feature
<222> (24)...(469)
<223> n = g, a, c or t/u
```

```
<400> 238
uaccuauacu uguguucgag guuncuuucg auucnnnnnn nnnnnngacn nnnnnnnnnn 60
nnngagucgg gagcunnaag acgggaauuc cggugcgcuu gcccnnaug gunnnngggc 120
gggcaaugcc ggagcugccc ccgcaacugu aangcggcnn nnnnnnnnnn nnnnnnnnnn 180
nnnnnnnnnn nnnnnnnnnn nnnnnngagcu uugcgcccca unnnnnnnnn nnnnnnnnnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnng ccacuggcnn 300
nnnnnnnnnn nnnnnnnnnn nnnnnnnngaa annnnnnnnn nnnnnnnnnn nnnnnnnnnn 360
nnnnnnnnng ccgggaaggc nnggguggaa gcguaganan nnnnnnnnnn nnnnnnnnnn 420
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nngccgunng agccaggaga 480
ccugccuuga gcgugaacgu ccacg 505
```

```
<210> 239
<211> 505
<212> RNA
<213> Caulobacter crescentus
```

```
<220>
<221> misc_feature
<222> (23)...(469)
<223> n = g, a, c or t/u
```

```
<400> 239
ggucuguugc cguugucgug gunncugcgg acgnnnnnnn nnnnnnuucg nnnnnnnnnn 60
nnnncguccg gagcunnaag angggaaggu cggugnaggg nnnnnncgug aaannnnnnn 120
ccugaaucc ggcgugccc ccgcaacugu gangcggnnn nnnnnnnnnn nnnnnnnnnn 180
nnnnnnnnnn nnnnnnnnnn nnnnnncgagc cgcuguccgu uucgunnnnn nnnnnnnnnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnng ucacugacgc 300
gccgaannnn nnnnnnnnnn nnnnnnnngcu ggnnnnnnnn nnnnnnnnnn nnnnnnnuu 360
cggggaugcg ucgggaaggc cagggcaggg gugacgacnn nnnnnnnnnn nnnnnnnnnn 420
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnccgunng agccaggaga 480
ccugccucga cagauaacgu ccucc 505
```

<210> 240
 <211> 505
 <212> RNA
 <213> *Caulobacter crescentus*

<220>
 <221> misc_feature
 <222> (23)...(469)
 <223> n = g, a, c or t/u

```
<400> 240
uagcucuagc uucgcgucag gunnuccucn nnnnnnnnnn nnnnnngaaa nnnnnnnnnn 60
nnnnnnnnga ggaugnnaaa angggaacng agguugnann nnnnnnnnnn nnnnnnnnnn 120
nnnnaagacc ucggcugccc ccgcaacugu aangcggann nnnnnnnnnn nnnnnnnnnn 180
nnnnnnnnnn nnnnnnnnnn nnnnncgagc uucgcgucac aunnnnnnnn nnnnnnnnnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn ccacugggcc 300
nnnnnnnnnn nnnnnnnnnn nnnnnnnncaa aannnnnnnn nnnnnnnnnn nnnnnnnnnn 360
nnnnnnnggc cugggaaggc nngacgccca gaagcauuga cnnnnnnnnn nnnnnnnnnn 420
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnccgunng agccaggaga 480
ccugcccggc gcagucguuc aucgc                                     505
```

<210> 241
 <211> 505
 <212> RNA
 <213> *Chlorobium tepidum*

<220>
 <221> misc_feature
 <222> (23)...(469)
 <223> n = g, a, c or t/u

```
<400> 241
auacucauc cgauuaugug gunngcccgc caugnannnn nnnnnngaaa nnnnnnnnnn 60
nnnncauacg ggcuunnaaa angggaauunc cggugannnn nnnnnnnnnn nnnnnnnnnn 120
nnnnngagucc ggaacaguac ccgcugcugu aanuuccnnn nnnnnnnnnn nnnnnnnnnn 180
nnnnnggcug gccgcaaggc uggcgacaag guuugccgca caaunnnnnn nnnnnnnnnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn ccacuguccc 300
nnnnnnnnnn nnnnnnnnnn nnnnnnnngu uannnnnnnn nnnnnnnnnn nnnnnnnnnn 360
nnnnnnnnngg augggaaggc nncggcagaa uccnnnnnnn nnnnnnnnnn nnnnnnnnnn 420
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnggganna agucagaaga 480
ccugccucau auuuuuuggc uucgg                                     505
```

<210> 242
 <211> 505
 <212> RNA
 <213> *Chlorobium tepidum*

<220>
 <221> misc_feature
 <222> (24)...(462)
 <223> n = g, a, c or t/u

<400> 242

```
guucuuucuc gccaugacag gugnccgguu nnnnnnnnnn nnnnnnuaaa nnnnnnnnnn 60
nnnnnnnagc cggagnnaau angggaaggu acgugannnn nnnnnnnnnn nnnnnnnnnn 120
nnnngaauucg uacacugugc ccgcaacugu acaacggunn nnnnnnuaac cgccgggcaa 180
auuccguggc cacacggaug cgcaaggcgg gcuuucaggn nnnnnnnnnn nnnnnnnnnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnng ucacugccgg 300
uuuuccnnnn nnnnnnnnnn nnnnnnnuucc acnnnnnnnn nnnnnnnnnn nnnnnnnnnn 360
nnggaaaacu gcggaaggu nnuuggaggc gcucgaunnn nnnnnnnnnn nnnnnnnnnn 420
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nngccgugaa agucaggaga 480
ccugccaguc augcauuugc accaa 505
```

<210> 243

<211> 505

<212> RNA

<213> Chlorobium tepidum

<220>

<221> misc_feature

<222> (23)...(469)

<223> n = g, a, c or t/u

<400> 243

```
caauaaaaua uucaguuauc gunnuuccgg ugccnnnnnn nnnnnnggug nnnnnnnnnn 60
nngggcgccg gaaugnnaaa angggaacnc cggugannnn nnnnnnnnnn nnnnnnnnnn 120
nnnnaaaucc gggacagugc ccgcuugcugu ganuccucnn nnnnnnnnnn nnnnnnnnnn 180
nccgucggcc acaauccgggu cggcggacga ucgcuuccga ugannnnnnn nnnnnnnnnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnngg ccacugguuc 300
gcnnnnnnnn nnnnnnnnnn nnnnnngccc nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 360
nnnnngcgaa ccgggaaggc cnggaagcga nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 420
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nngggganng agucagaaga 480
ccugccguua ugcauaaaau gcucc 505
```

<210> 244

<211> 505

<212> RNA

<213> Chlorobium tepidum

<220>

<221> misc_feature

<222> (24)...(468)

<223> n = g, a, c or t/u

<400> 244

```
ugaguucuuu cagcauuacg gugnccggau nnnnnnnnnn nnnnnngaaa gnnnnnnnnn 60
nnnnnnnauuc cggauinnaau angggaaggu gcgugunnnn nnnnnnnnnn nnnnnnnnnn 120
nnnngaauucg cacacugugc ccgcaacugu aangauggun nnnnaugucg cgcgacgaca 180
ggagcagcuc ugcuuuugug gccguugcgg aucgggugua unnnnnnnnn nnnnnnnnnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn ccacuccgcc 300
aaccucugnn nnnnnnnnnn nnnnnnauaa cnnnnnnnnn nnnnnnnnnn nnnnnnnnca 360
cggggaauuc gggggaaggn ncugcccggg gaagaaacguc gaaguaauuu cgcannnnnn 420
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn ngccaucnga agucaggaga 480
ccugccguag ugguuggcgc cgaau 505
```

<210> 245
 <211> 505
 <212> RNA
 <213> Chlorobium tepidum

<220>
 <221> misc_feature
 <222> (24)...(468)
 <223> n = g, a, c or t/u

<400> 245
 guucuuucuc gccaugacag gugnccgguu nnnnnnnnnn nnnnnnuaaa nnnnnnnnnn 60
 nnnnnnnnagc cggagnnaau angggaaguu acgugannnn nnnnnnnnnn nnnnnnnnnn 120
 nnnngauucg uacacuguac ccgcaacugu acaacggnnn nnnnnnaaaa cugccgcugg 180
 cagguauggc cacaugccuc aaagccgcag ccggugcacn nnnnnnnnnn nnnnnnnnnn 240
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnng ucacugccag 300
 gcuccnnnnn nnnnnnnnnn nnnnnnnnuc acnnnnnnnn nnnnnnnnnn nnnnnnnnnn 360
 nnnngagcgg gcgggaaggc nnugcaucgn nnnnauucaa gnnnnnnnnn nnnnnnnnnn 420
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnccgunaa agucaggaga 480
 ccugccaguu acucuugcu cggaa 505

<210> 246
 <211> 505
 <212> RNA
 <213> Clostridium acetobutylicum

<220>
 <221> misc_feature
 <222> (23)...(469)
 <223> n = g, a, c or t/u

<400> 246
 auugcuacua aaauuuguag gunnucaacu gagnnnnnnn nnnnnngagu nnnnnnnnnn 60
 nnnncuuagu ugauunnaaa anaggaaunc aggugannnn nnnnnnnnnn nnnnnnnnnn 120
 nnnnaaagcc ugagcggunc ccgccacugu aaauaaggnn nnnnnnnnnn nnnnnnnnnn 180
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnagu uuaaguacaa uaunnnnnnn nnnnnnnnnn 240
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnng ucacuggnnn 300
 nnnnnnnnnn nnnnnnnnnn nnnnnnnngaa annnnnnnnn nnnnnnnnnn nnnnnnnnnn 360
 nnnnnnnnnn cugggaaggc nnguacuuua gcaaugannn nnnnnnnnnn nnnnnnnnnn 420
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnuuuunng agccaggaua 480
 cuugccauau ucuaguaugu uuuuu 505

<210> 247
 <211> 505
 <212> RNA
 <213> Clostridium acetobutylicum

<220>
 <221> misc_binding
 <222> (23)...(469)
 <223> n = g, a, c or t/u

```
<400> 247
gaaauauac caauuuuag gcnnaccuan nnnnnnnnnn nnnnnnaucu nnnnnnnnnn 60
nnnnnnnnua gguuunnaau angggaaanu uggugannnn nnnnnnnnnn nnnnnnnnnn 120
nnnnaaaucc aaugcaacc cguuacugu aunacaguun nnnnnnnnnn nnnnnnnnnn 180
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn caaaaccaau gnnnnnnnnn nnnnnnnnnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnu ccacuggagn 300
nnnnnnnnnn nnnnnnnnnn nnnnnnnuuu unnnnnnnnn nnnnnnnnnn nnnnnnnnnn 360
nnnnnnnnncu cugggaagga nnugguugag gcuannnnnn nnnnnnnnnn nnnnnnnnnn 420
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn naacugunng agccaggaga 480
ccuaccuaaa auauuauuga acuuc 505
```

```
<210> 248
<211> 505
<212> RNA
<213> Clostridium perfringens
```

```
<220>
<221> misc_feature
<222> (23)...(469)
<223> n = g, a, c or t/u
```

```
<400> 248
aauuaauau uuagaaauag gunnuaaaau guuacnnnnn nnnnnnauuu nnnnnnnnnn 60
nnguaacuau auauunnaaa angggaaguu gguuunnnnn nnnnnnnnnn nnnnnnnnnn 120
nnnnaaaucc cacgcggunc ccgccgcugu aanuagnnnn nnnnnnnnnn nnnnnnnnnn 180
nnnnnnnnnn nnnnnnnnnn nnnnnnaggag cuuuuuguac uuuaannnnn nnnnnnnnnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnng ccacuggaau 300
annnnnnnnn nnnnnnnnnn nnnnnnnnua annnnnnnnn nnnnnnnnnn nnnnnnnnnn 360
nnnnnnuauu uugggaaggc ncacaaaag ugaugauann nnnnnnnnnn nnnnnnnnnn 420
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnncuunng agccagaaga 480
ccugccuauu uuuaaaacau caaga 505
```

```
<210> 249
<211> 505
<212> RNA
<213> Clostridium perfringens
```

```
<220>
<221> misc_feature
<222> (23)...(468)
<223> n = g, a, c or t/u
```

```
<400> 249
aguugauuaa cuaauauug gunngugnnn nnnnnnnnnn nnnnnnauuu unnnnnnnnn 60
nnnnnnnnnn cguunnaau angggaaung aaguannnnn nnnnnnnnnn nnnnnnnnnn 120
nnnnaagucu ucaacuaccu caguaaccgu gaagcnnnnn nnnnnnnnnn nnnnnnnnnn 180
nnnnnnnnnn nnnnnnnnnn nnnnnnagac aaaaucucaa uaunnnnnnn nnnnnnnnnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnng ucacugcaun 300
nnnnnnnnnn nnnnnnnnnn nnnnnnnuuu unnnnnnnnn nnnnnnnnnn nnnnnnnnnn 360
nnnnnnnnng gugggaagac nngagaugga ggaagaannn nnnnnnnnnn nnnnnnnnnn 420
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnngcnaa agucgggaua 480
ccugccuuuu auuaaaguac uauua 505
```

<210> 250
 <211> 505
 <212> RNA
 <213> Clostridium perfringens

<220>
 <221> misc_feature
 <222> (23)...(468)
 <223> n = g, a, c or t/u

<400> 250
 auaauauuuu auauuuuuag gunnuugnnn nnnnnnnnnn nnnnnnauuu nnnnnnnnnn 60
 nnnnnnnnnn uaauunnaaa angggaaang ugguuannnn nnnnnnnnnn nnnnnnnnnn 120
 nnnnaagucc acuacagccc ccgcuacugu gauaggnnnn nnnnnnnnnn nnnnnnnnnn 180
 nnnnnnnnnn nnnnnnnnnn nnnnnnnauac aaguuucua uugannnnnn nnnnnnnnnn 240
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn ccacugauun 300
 nnnnnnnnnn nnnnnnnnnn nnnnnnnaua uannnnnnnn nnnnnnnnnn nnnnnnnnnn 360
 nnnnnnnnaa uugggaaggn ngagaaauga ggauaagnnn nnnnnnnnnn nnnnnnnnnn 420
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnccunua agucaggaua 480
 ccugccuaaa gaucaugaac uaagc 505

<210> 251
 <211> 505
 <212> RNA
 <213> Clostridium perfringens

<220>
 <221> misc_feature
 <222> (23)...(469)
 <223> n = g, a, c or t/u

<400> 251
 aaauaaaaua agagcauuag gunnguunnn nnnnnnnnnn nnnnnnuagu nnnnnnnnnn 60
 nnnnnnnnnn aacuunnaau angggaaang uunnnnnnnn nnnnnnnnnn nnnnnnnnnn 120
 nnnnaaanna acugcagccc ccgcuacugu ugnauaaggn nnnnnnnnnn nnnnnnnnnn 180
 nnnnnnnnnn nnnnnnnnnn nnnnnngac gagaauaaaa agnnnnnnnn nnnnnnnnnn 240
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn ccacugugau 300
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnaa uannnnnnnn nnnnnnnnnn nnnnnnnnnn 360
 nnnnnnguc auggaaaggn nauuguuuua ggauagannn nnnnnnnnnn nnnnnnnnnn 420
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnuuuauunnu agccaggaga 480
 ccugccuagu augcuauucu uauug 505

<210> 252
 <211> 505
 <212> RNA
 <213> Escherichia coli

<220>
 <221> misc_feature
 <222> (24)...(469)
 <223> n = g, a, c or t/u

```
<400> 252
ccuguagcau ccacuugccg gucncunnnn nnnnnnnnnn nnnnnnnngug nnnnnnnnnn 60
nnnnnnnnnn nagnunnaau angggaaunc cagugcnnnn nnnnnnnnnn nnnnnnnnnn 120
nnnngaaucc ggagcuganc gcgcagcggg aangganann nnnnnnnnnn nnnnnnnnnn 180
nnnnnnnnnn nnnnnnnnnn nnnnnnaaggu gcgaugauug cguaaugcgn nnnnnnnnnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnng acacugccnn 300
nnnnnnnnnn nnnnnnnnnn nnnnnnnnauu cnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 360
nnnnnnnnng gugggaaguc nnaucaucuc uuaguaucuu agauaccccn nnnnnnnnnn 420
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnuccna agcccgaaga 480
ccugccggcc aacgucgcau cuggu 505
```

```
<210> 253
<211> 505
<212> RNA
<213> Fusobacterium nucleatum
```

```
<220>
<221> misc_feature
<222> (24)...(468)
<223> n = g, a, c or t/u
```

```
<400> 253
uuuaauauca ugucaauuau guunccuuan nnnnnnnnnn nnnnnnnuuu unnnnnnnnn 60
nnnnnnnnua aggcunnaag angggaaunu uggugannnn nnnnnnnnnn nnnnnnnnnn 120
nnnngaaucc aaaacgagnc ccgucgcugu aaugannnnn nnnnnnnnnn nnnnnnnnnn 180
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnng uuuuucugu uuuanannnn nnnnnnnnnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnua ccacuggaun 300
nnnnnnnnnn nnnnnnnnnn nnnnnnnnuu unnnnnnnnn nnnnnnnnnn nnnnnnnnnn 360
nnnnnnnnau uugggaaggu anaagaaaua uaaannnnnn nnnnnnnnnn nnnnnnnnnn 420
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnucanua agucagaaga 480
ccugcauauu ugaauuacuc uaucu 505
```

```
<210> 254
<211> 505
<212> RNA
<213> Leptospira interrogans
```

```
<220>
<221> misc_feature
<222> (24)...(469)
<223> n = g, a, c or t/u
```

```
<400> 254
aucuuggaac ggaaaacuug uuunauunnn nnnnnnnnnn nnnnnncucgu nnnnnnnnnn 60
nnnnnnnnnn gaugannnga angggaaunc cggucnnnn nnnnnnnnnn nnnnnnnnnn 120
nnnnaaaucc ggagcugaac ccgcagcugu aanucgccga nnnnnnnnnn nnnnnnnnnn 180
nnnnnnnnnn nnnnnnnnnn nnnnnnaugag auuucgcaau caunnnnnnn nnnnnnnnnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnng ccacugcgun 300
nnnnnnnnnn nnnnnnnnnn nnnnnnnuaaa unnnnnnnnn nnnnnnnnnn nnnnnnnnnn 360
nnnnnnnnac gcgggaaggc nnugcgaaan nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 420
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn ucggcganna agccagaaga 480
ccuaacaagu aaaaaaaca acuaa 505
```

<210> 255
<211> 505
<212> RNA
<213> *Listeria monocytogenes*

<220>
<221> misc_feature
<222> (23)...(469)
<223> n = g, a, c or t/u

<400> 255
guuaaaauagg ucuauguug gunnggaaug unnnnnnnnnn nnnnnnaugu nnnnnnnnnn 60
nnnnnnnaca uuucugnaaa gnaggaaunu cggugcnnnn nnnnnnnnnn nnnnnnnnnn 120
nnnngauggcc gaaacugccc ccgcaacugu aanggunnnn nnnnnnnnnn nnnnnnnnnn 180
nnnnnnnnnn nnnnnnnnnn nnnnggacaa gaaucgagau nnnnnnnnnn nnnnnnnnnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnaa ccacuguacg 300
unnnnnnnnn nnnnnnnnnn nnnnnuuuuu annnnnnnnn nnnnnnnnnn nnnnnnnnnn 360
nnnnnngcgu augggaaggu uncgauuguu ggauagaann nnnnnnnnnn nnnnnnnnnn 420
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnngccnna agucaggaua 480
cucgccaaau aagacggaag caacu 505

<210> 256
<211> 505
<212> RNA
<213> *Mesorhizobium loti*

<220>
<221> misc_feature
<222> (23)...(469)
<223> n = g, a, c or t/u

<400> 256
cuauagucau gcagucgucg gunnucnnn nnnnnnnnnn nnnnnnguui unnnnnnnnn 60
nnnnnnnnnn ggagccnaag angggaaung cggugcgggc gannnnnaau ucnnnnnnuu 120
gcccaaugcc guggcugccc ccgcaacugu gungcggnn nnnnnnnnnn nnnnnnnnnn 180
nnnnnnnnnn nnnnnnnnnn nnnnnnnuag uccucuccau aunnnnnnnn nnnnnnnnnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnng ccacugaaga 300
nnnnnnnnnn nnnnnnnnnn nnnnnnnuuc gnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 360
nnnnnnnnnn ucgggaaggu nnggggaagg gcgcugaunn nnnnnnnnnn nnnnnnnnnn 420
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnccgunng agccaggaga 480
ccugccgacg acggcaaaac ugaca 505

<210> 257
<211> 505
<212> RNA
<213> *Mesorhizobium loti*

<220>
<221> misc_feature
<222> (23)...(469)
<223> n = g, a, c or t/u

```
<400> 257
gccuaaaucc gcuccagacg gunncccuug ccnnnnnnnnn nnnnnncgcaa cnnnnnnnnnn 60
nnnnnnnggca ggggcunaag angggaaung cggugcgaggga unnnnnnnuu cgnnnnnnna 120
ucucaaaucc gcggcugucc ccgcaacugu aangcgnnnnn nnnnnnnnnnn nnnnnnnnnnn 180
nnnnnnnnnnn nnnnnnnnnnn nnnnaagagc caaggccgaa agnnnnnnnnn nnnnnnnnnnn 240
nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn ccacuggggn 300
nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnacg uunnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn 360
nnnnnnnnnnc ccgggaaggn nncggcaccc aaggcgaua ccnnnnnnnnn nnnnnnnnnnn 420
nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnncgcngg agccaggaga 480
ccugccgucu gcgacaaaag aaucc 505
```

```
<210> 258
<211> 505
<212> RNA
<213> Mesorhizobium loti
```

```
<220>
<221> misc_feature
<222> (24)...(469)
<223> n = g, a, c or t/u
```

```
<400> 258
auuagaucau gucaucucag gugncgcguu cgunnnnnnnn nnnnnngacg nnnnnnnnnnn 60
nnnnacgggg cggagnnaau ungggaagnc cggucannnn nnnnnnnnnnn nnnnnnnnnnn 120
nnnnaagucc ggcgcugccc ccgcaacggu ggnuggaggn nnnnnnnnnnn nnnnnnnnnnn 180
nnnnnnnnnnn nnnnnnnnnnn nnnnnuucaa gucgcaacgg gagnnnnnnnn nnnnnnnnnnn 240
nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn ccacugggcn 300
nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnaaa annnnnnnnn nnnnnnnnnnn nnnnnnnnnnn 360
nnnnnnnnngc cugggaaggu nngucgcgac cguccgcaag gacannnnnn nnnnnnnnnnn 420
nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nncuccanng agcccggaaa 480
ccagcccagag auuuuugaac ucgac 505
```

```
<210> 259
<211> 505
<212> RNA
<213> Mesorhizobium loti
```

```
<220>
<221> misc_feature
<222> (24)...(469)
<223> n = g, a, c or t/u
```

```
<400> 259
gugauugugc gcaugucgug guuncuccgc gcggcnnnnn nnnnnnnacu nnnnnnnnnnn 60
ngccguagcg gagcunnaag angggaagnc cggugcnnnn nnnnnnnnnnn nnnnnnnnnnn 120
nnnngauggc ggcgcugccc ccgcaacugu uangcggnnn nnnnnnnnnnn nnnnnnnnnnn 180
nnnnnnnnnnn nnnnnnnnnnn nnnnnncgag ccaagcccau uggunnnnnnn nnnnnnnnnnn 240
nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnng ucacugaggc 300
nnnnnnnnnnn nnnnnnnnnnn nnnnnnnngaa cgnnnnnnnn nnnnnnnnnn nnnnnnnnnnn 360
nnnnnnngcc ucgggaagac nngggcagag gcuuugacnn nnnnnnnnnnn nnnnnnnnnnn 420
nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnccgcngg agccaggaga 480
ccugccacga cgaacaacgu ccacg 505
```

<210> 260
 <211> 505
 <212> RNA
 <213> Mesorhizobium loti

<220>
 <221> misc_feature
 <222> (24)...(469)
 <223> n = g, a, c or t/u

<400> 260
 aaggucgccg ccacugccug gugncccgcn nnnnnnnnnn nnnnnnccga annnnnnnnn 60
 nnnnnnnngc gggagnnaau cngggaacna cgguggnnnn nnnnnnnnnn nnnnnnnnnn 120
 nnnnaacucc guggcgugnc ccaacgcugu aanggggnnn nnnnnnnnnn nnnnnnnnnn 180
 nnnnnnnnnn nnnnnnnnnn nnnnnngacc gcgccgguaa aannnnnnnn nnnnnnnnnn 240
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnng ccacugucnn 300
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnga unnnnnnnnn nnnnnnnnnn nnnnnnnnnn 360
 nnnnnnnnng acgggaaggc nnaccggacg cggguugann nnnnnnnnnn nnnnnnnnnn 420
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnucccnng agccagaaga 480
 ccggccuggc aggcaucguc auccg 505

<210> 261
 <211> 505
 <212> RNA
 <213> Mesorhizobium loti

<220>
 <221> misc_feature
 <222> (23)...(469)
 <223> n = g, a, c or t/u

<400> 261
 ucuacggugg gugcgugaug gunnccccgc gccnnnnnnn nnnnnngaaa nnnnnnnnnn 60
 nnnnggcaag gggugnnaaa angggaacna cggugagacc unnnnnnnca aannnnnnna 120
 ggucgagacc guggcguccc ccgcaacugu aangcggnnn nnnnnnnnnn nnnnnnnnnn 180
 nnnnnnnnnn nnnnnnnnnn nnnnnnagag caagauccga cannnnnnnn nnnnnnnnnn 240
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnng ccacuggccn 300
 nnnnnnnnnn nnnnnnnnnn nnnnnnnngg caannnnnnn nnnnnnnnnn nnnnnnnnnn 360
 nnnnnnnngg cugggaaggc anggauugcg cugagacnnn nnnnnnnnnn nnnnnnnnnn 420
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnccgcnnng agccaggaga 480
 ccugccauca cugaguugac cggac 505

<210> 262
 <211> 505
 <212> RNA
 <213> Mycobacterium leprae

<220>
 <221> misc_feature
 <222> (23)...(469)
 <223> n = g, a, c or t/u

```

<400> 262
ccacacggcg ccaguaucga gunngaugcu nnnnnnnnnn nnnnnnagcu cnnnnnnnnn 60
nnnnnnnnagc aucgcnnag angggaacnc cggugannnn nnnnnnnnnn nnnnnnnnnn 120
nnnngaaucc gggacugunc ccgcagcggu aungcaggnn nnnnnnnnnn nnnnnnnnnn 180
nnnnnnnnnn nnnnnnnnnn nnnnnnaacg accgccgucu ggaannnnnn nnnnnnnnnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn gcacuggucu 300
uagannnnnn nnnnnnnnnn nnnnnnnnaa aannnnnnnn nnnnnnnnnn nnnnnnnnnn 360
nnnuccgaga cugggaagcn ngauggccau uagaagcacc uauccagugc gcgnnnnnnn 420
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnccugcnng aguccgaaga 480
ccugccggcu gugucgggag cgccg 505

```

```

<210> 263
<211> 505
<212> RNA
<213> Mycobacterium tuberculosis

```

```

<220>
<221> misc_feature
<222> (23)...(469)
<223> n = g, a, c or t/u

```

```

<400> 263
cuucccguca ggcgauagac aunnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 60
nnnnnnnnnn nnnnnnnnnn gcaggaagnc cggugannnn nnnnnnnnnn nnnnnnnnnn 120
nnnngaaucc ggcgcggunc ccgccacugu canccgggnn nnnnnnnnnn nnnnnnnnnn 180
nnnnnnnnnn nnnnnnnnnn nnnnnnnngag cgaccucugu aannnnnnnn nnnnnnnnnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnng ccacggccnn 300
nnnnnnnnnn nnnnnnnnnn nnnnnnnnac aannnnnnnn nnnnnnnnnn nnnnnnnnnn 360
nnnnnnnnng gcuggaaggc nngaggcaag caacgannnn nnnnnnnnnn nnnnnnnnnn 420
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnuccggng agccaggaga 480
cucgcgucau cgcguccugc cacc 505

```

```

<210> 264
<211> 505
<212> RNA
<213> Mycobacterium tuberculosis

```

```

<220>
<221> misc_feature
<222> (1)...(469)
<223> n = g, a, c or t/u

```

```

<400> 264
nnnnnuugac cacgcagcug gucnugcugg cguccgaaag ggcgucggca ucgagcgggg 60
caacgaugcu ucgcnnngag angggaacnc uggugannnn nnnnnnnnnn nnnnnnnnnn 120
nnnngaaucc gggacugunc ccgcagcggu aungcaggnn nnnnnnnnnn nnnnnnnnnn 180
nnnnnnnnnn nnnnnnnnnn nnnnnnaacga ccgccgucuu ggaaguagac aannnnnnnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn gcacuggucn 300
nnnnnnnnnn nnnnnnnnnn nnnnnnnuca acnnnnnnnn nnnnnnnnnn nnnnnnnnnn 360
nnnnnnnnng cugggaagcn nngacggcca guaggagcac ccaccgggug cgagnnnnnn 420
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnccugcnng aguccgaaga 480
ccugccagcc gugccggagc cgccg 505

```

<210> 265
 <211> 505
 <212> RNA
 <213> *Pseudomonas aeruginosa*

<220>
 <221> misc_feature
 <222> (24)...(469)
 <223> n = g, a, c or t/u

<400> 265
 agcugcgcg c uugcgacag g ugncccccnn nnnnnnnnnn nnnnnngcaa nnnnnnnnnn 60
 nnnnnnnnng gggugnnaaa c aggggaagnc uggugcg uuc c nnnnnnnngu c nnnnnnnnng 120
 gaaccaggcc agcgugccc c cgcaacggu agngcgannn nnnnnnnnnn nnnnnnnnnn 180
 nnnnnnnnnn nnnnnnnnnn nnnnnnaucag acagccgcuc gaugannnnn nnnnnnnnnn 240
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn ccacugugcn 300
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnuc c gnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 360
 nnnnnnnnngc auggggaagg n cgcggcgugg aagcguccag c gcuucgcnn nnnnnnnnnn 420
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnucgcnn agcccgagaga 480
 ccggccugac gcacccacgg caucg 505

<210> 266
 <211> 505
 <212> RNA
 <213> *Pseudomonas aeruginosa*

<220>
 <221> misc_feature
 <222> (23)...(469)
 <223> n = g, a, c or t/u

<400> 266
 gcauaauagc g cguucgucg g unngcccgg cccuuucgcg nnnnnnnuuag nnnnnncgcgg 60
 ggccaacgag g gccgnnaag a nggggaacna cggagccgcg g ucuunnnuu c gnaagccc 120
 gggccuagcc g uggcugccc c cgcaacugu aungcagccu g nnnnnnnnnn nnnnnnnnnn 180
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnua uucgcgcgau uc nnnnnnnnnn nnnnnnnnnn 240
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnng ccacuggnnn 300
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnau a nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 360
 nnnnnnnnnn ccgggaaggc n nggcgcgaa g cgggagguuc c ucccccggg u ggaacgcnn 420
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnc gggcugcnn agccaggaga 480
 ccugccgccg aaaccagucg cgagu 505

<210> 267
 <211> 505
 <212> RNA
 <213> *Pseudomonas aeruginosa*

<220>
 <221> misc_feature
 <222> (24)...(469)
 <223> n = g, a, c or t/u

```

<400> 267
ucccauccgg cccguuccag gugncuccu gcnnnnnnnn nnnnnccgcg cnnnnnnnnn 60
nnnnngcagg agggunnaaa cngggaagnc cggugcguca cnnnnnnnuu cgnnnnnnnng 120
ugaucagucc ggcgcugccc ccgcaacggu aangcgagnn nnnnnnnnnn nnnnnnnnnn 180
nnnnnnnnnn nnnnnnnnnn nnnnnnnncg aaauccucuu cagnnnnnnnn nnnnnnnnnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnng ccacugugcn 300
nnnnnnnnnn nnnnnnnnnn nnnnnnnnuc cgnnnnnnnn nnnnnnnnnn nnnnnnnnnn 360
nnnnnnnnngc augggaaggc nngaggauuu cacgaccnnn nnnnnnnnnn nnnnnnnnnn 420
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nncucgcnaa agcccggaga 480
ccggccugca acgcccuguu ggcac 505

```

```

<210> 268
<211> 505
<212> RNA
<213> Pseudomonas aeruginosa

```

```

<220>
<221> misc_feature
<222> (24)...(469)
<223> n = g, a, c or t/u

```

```

<400> 268
cguagccuug cccguucgag guuncuccg cgnnnnnnnn nnnnnngcga nnnnnnnnnn 60
nnnnncggcg gggcunnaag angggaacng cggucgnnnn nnnnnnnnnn nnnnnnnnnn 120
nnnnnaugcc ggcgcugccc ccgcaacugu ganacggnnn nnnnnnnnnn nnnnnnnnnn 180
nnnnnnnnnn nnnnnnnnnn nnnnnncgau cguuccccaa unnnnnnnnn nnnnnnnnnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnng ccacugcgcn 300
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnug annnnnnnnn nnnnnnnnnn nnnnnnnnnn 360
nnnnnnnnnc gcgggaaggc nnggggaacc ggcggagacg ccagannnnn nnnnnnnnnn 420
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnccgunng agccaggaga 480
ccugccucgu cgaucccgug gcgcg 505

```

```

<210> 269
<211> 505
<212> RNA
<213> Pseudomonas putida

```

```

<220>
<221> misc_feature
<222> (23)...(469)
<223> n = g, a, c or t/u

```

```

<400> 269
gucuaccaug cgggccgccc gunnuuccnn nnnnnnnnnn nnnnnnacca cnnnnnnnnn 60
nnnnnnnnng gaacunnaac angggaauuc ccannnggcc ugnnnnncca auannnnnca 120
ggccnnaaüc ggaacugccc ccgcaacugu agngugcnnn nnnnnnnnnn nnnnnnnnnn 180
nnnnnnnnnn nnnnnnnnnn nnnnnncgag ccugcuccau cgaunnnnnn nnnnnnnnnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnng ccacugggcn 300
nnnnnnnnnn nnnnnnnnnn nnnnnncugc cnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 360
nnnnnnnnngc ccgggaaggc ncggagccgg gccgugacnn nnnnnnnnnn nnnnnnnnnn 420
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnngcacnnc agucaggaga 480
ccugccggcc uacauucacc aaccg 505

```

<210> 270
 <211> 505
 <212> RNA
 <213> Pseudomonas putida

<220>
 <221> misc_feature
 <222> (24)...(469)
 <223> n = g, a, c or t/u

<400> 270
 cagaugcgcg ccaguuucag gugncccguc gcnnnnnnnn nnnnncccg cnnnnnnnnn 60
 nnnnnngcgca gggugnnaaa cngggaaanc cggugcgucg ugnnnnnuug ccnnnnnnnca 120
 cgacaagucc ggugcugccc ccgcaacggu aangcgagnn nnnnnnnnnn nnnnnnnnnn 180
 nnnnnnnnnn nnnnnnnnnn nnnnnnnncg aaccuuucga gaunnnnnnn nnnnnnnnnn 240
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnna ccacugugcn 300
 nnnnnnnnnn nnnnnnnnnn nnnnnnnuuc annnnnnnnn nnnnnnnnnn nnnnnnnnnn 360
 nnnnnnnngc augggaaggu nngaagguuu caugcccnnn nnnnnnnnnn nnnnnnnnnn 420
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nncucgcna agcccgagga 480
 ccggccugga gcuucacuug gcaac 505

<210> 271
 <211> 505
 <212> RNA
 <213> Pseudomonas putida

<220>
 <221> misc_feature
 <222> (24)...(469)
 <223> n = g, a, c or t/u

<400> 271
 uccuauugcc ucgcguucag gugncccnnn nnnnnnnnnn nnnnnnucag nnnnnnnnnn 60
 nnnnnnnnnng gggugnnaaa cngggaaanc cggugcgucc caggcccuuc agcnagggcc 120
 ggacaaugcc ggugcugccc ccgcaacggu aangcgagnn nnnnnnnnnn nnnnnnnnnn 180
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnu gaagcgucug unnnnnnnnn nnnnnnnnnn 240
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnna ccacugugcc 300
 nnnnnnnnnn nnnnnnnnnn nnnnnnucgag uacnnnnnnn nnnnnnnnnn nnnnnnnnnn 360
 nnnnnnnngc augggaaggu nngacgcuu ccaggagccc agcucuucnn nnnnnnnnnn 420
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nncucgcna agcccgagga 480
 ccggccuggc guucaugaac acccc 505

<210> 272
 <211> 505
 <212> RNA
 <213> Pseudomonas putida

<220>
 <221> misc_feature
 <222> (24)...(469)
 <223> n = g, a, c or t/u

<400> 272

```
cguagccuug ccacuucgag guuncuucg cnnnnnnnnnn nnnnnncugn nnnnnnnnnnn 60
nnnnnnngccg aagcunnaag acgggaacng cgguacnnnn nnnnnnnnnnn nnnnnnnnnnn 120
nnnnnaagcc gcggcgugccc ccgcaacugu aangcaccgn nnnnnnnnnnn nnnnnnnnnnn 180
nnnnnnnnnn nnnnnnnnnnn nnnnnnacaac ggaucgacac annnnnnnnn nnnnnnnnnnn 240
nnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnng ccacugcgcn 300
nnnnnnnnnn nnnnnnnnnnn nnnnnnnncaa cnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn 360
nnnnnnnnngc gcgggaaggc nngucauccc gccagcccga acggggacau ggaannnnnn 420
nnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nccgugcnna agccaggaga 480
ccugccucgu cacguuuucg acuuu 505
```

<210> 273

<211> 505

<212> RNA

<213> *Ralstonia solanacearum*

<220>

<221> misc_feature

<222> (32)...(469)

<223> n = g, a, c or t/u

<400> 273

```
guuacacucg ccgcguccug gugcccgag annnnnnnnn nnnnnngccg annnnnnnnn 60
nnnnnnnucug caguunnaaa cngggaagnc agggagcggc cgccnncca aacnnnnngg 120
ugcgccaacc ugcgcugccc ccgcaacggu aagcgaacgc cgucgaaggc cgcgcuaccu 180
cuggccagaa gagggcgcgg cgucgcgcag guccguccac aunnnnnnnnn nnnnnnnnnnn 240
nnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnng ccacuguuucn 300
nnnnnnnnnn nnnnnnnnnnn nnnnnnnncgc gnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn 360
nnnnnnnnnga acgggaaggc nnggccggac ccgnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn 420
nnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nguucgcnn cagcccggaua 480
ccggccagga caguggguuu cagag 505
```

<210> 274

<211> 505

<212> RNA

<213> *Sinorhizobium meliloti*

<220>

<221> misc_feature

<222> (24)...(469)

<223> n = g, a, c or t/u

<400> 274

```
cuuagaugag gacacucaag gugncggccu cnnnnnnnnnn nnnnnngaag nnnnnnnnnnn 60
nnnnnggaggg cggagnnaau ungggaagnc cggucannnn nnnnnnnnnnn nnnnnnnnnnn 120
nnnnaauccc ggcgcugccc ccgcaacggu ggnuggagcn nnnnnnnnnnn nnnnnnnnnnn 180
nnnnnnnnnn nnnnnnnnnnn nnnnnngaaca gccacggcag aagnnnnnnnn nnnnnnnnnnn 240
nnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnng ccacuggacn 300
nnnnnnnnnn nnnnnnnnnnn nnnnnnnnacc gcnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn 360
nnnnnnnnngu ccgggaaggc nngccgggcn nnnnaggucc cuugcggacg nnnnnnnnnnn 420
nnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn ngcuccann agcccggaaa 480
ccagccuuga agcagaaaau gaccg 505
```

<210> 275
 <211> 505
 <212> RNA
 <213> Sinorhizobium meliloti

<220>
 <221> misc_feature
 <222> (24)...(468)
 <223> n = g, a, c or t/u

<400> 275
 uggccauaug cgcgcgucag gugncccgcn nnnnnnnnnn nnnnnngaaa unnnnnnnnnn 60
 nnnnnnnngc ggggggnaau cngggaagnc cggugcnnnn nnnnnnnnnn nnnnnnnnnn 120
 nnnnaguucc ggcacgugnc ccaacgcugu gaagggnnnn nnnnnnnnnn nnnnnnnnnn 180
 nnnnnnnnnn nnnnnnnnnn nnnnnngacg uucucgccaa aaagggcucu gaauuuuuuc 240
 agagcuuunn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnng ccacugaaua 300
 nnnnnnnnnn nnnnnnnnnn nnnnnnuuga agcnnnnnnn nnnnnnnnnn nnnnnnnnnn 360
 nnnnnnnuau ucgggaaggc nnggcgcgaa cggaugannn nnnnnnnnnn nnnnnnnnnn 420
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnucnga agucagaaga 480
 ccggccuggc gagauagacc ggccc 505

<210> 276
 <211> 505
 <212> RNA
 <213> Sinorhizobium meliloti

<220>
 <221> misc_feature
 <222> (23)...(469)
 <223> n = g, a, c or t/u

<400> 276
 uaauaacgc aguauggaug gunnucucuc gugccnnnnn nnnnnngagg unnnnnnnnnn 60
 nnggggagc ggagunnaaa unggaauung cgaaggggag gaccnnnacg ccnnnnnggg 120
 cgcccuuau gcagccgacc ccgcgacugu agaacggunn nnnnnnnnnn nnnnnnnnnn 180
 nnnnnnnnnn nnnnnnnnnn nnnnnnnncag gguucgccau cgggcuuuuc gccggauuuc 240
 aacgcgcugc augggcaguc ucgugaaguu uggcggaug ucggaaaang ccacuggcgu 300
 ggcauugcga ucagccgggc aggacgccuc uucuuuacg aaucgucgc cuuucgcgau 360
 gccgcaaagc ccgggaaggc gaggcgagcc cguucggucu uuugccgcau cguuuuucgg 420
 gccgagccgg uccggcgaac gugcggccau gaggaucgug acgccgunng agccaggaga 480
 ccugccauc gucagggauc uccgc 505

<210> 277
 <211> 505
 <212> RNA
 <213> Sinorhizobium meliloti

<220>
 <221> misc_feature
 <222> (23)...(468)
 <223> n = g, a, c or t/u

```
<400> 277
cacauuaacu gggaccgacg gunnucuccu acccnnnnnn nnnnnnguga nnnnnnnnnn 60
nngguggagg ggauunnaau angggaacna cggugcggac gaccnnnaa gannnnnnngg 120
gaccaaacc guggcugccc ccgcaacugu aagcggauun nnnnnnnnnn nnnnnnnnnn 180
nnnnnnnnnn nnnnnnnnnn nnnnnnncgu cguucauccu uguggcgcca aggcgccann 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnng ccacugcgcn 300
nnnnnnnnnn nnnnnnnnnn nnnnnnnngcg uunnnnnnnn nnnnnnnnnn nnnnnnnnnn 360
nnnnnnnnngc gcgggaaggc nagaugagcg acucunnnnn nnnnnnnnnn nnnnnnnnnn 420
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnguccgnug agccaggaga 480
ccugccguca aaucgaucca acguc 505
```

```
<210> 278
<211> 505
<212> RNA
<213> Sinorhizobium meliloti
```

```
<220>
<221> misc_feature
<222> (23)...(469)
<223> n = g, a, c or t/u
```

```
<400> 278
gcuaaccaga ucaugugaug gunnucggcc nnnnnnnnnn nncgacugaa gaacnnnnnn 60
nnnnnnnnggc ggaugnnaaa angggaacna cggugaggac gaccnnnaa cannnnnnngg 120
ggcuaaaacc guggcugccc ccgcaacugu gangcggnnn nnnnnnnnnn nnnnnnnnnn 180
nnnnnnnnnn nnnnnnnnnn nnnnnnncgag caaaguccaa ggaunnnnnn nnnnnnnnnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnng ccuugggccn 300
nnnnnnnnnn nnnnnnnnnn nnnnnnauga aucnnnnnnn nnnnnnnnnn nnnnnnnnnn 360
nnnnnnnnngg cugauaaggc nnggacaaag cuacgacnnn nnnnnnnnnn nnnnnnnnnn 420
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnccgcnaa agccaggaga 480
ccugccauca ccuugggcga cacgc 505
```

```
<210> 279
<211> 505
<212> RNA
<213> Streptomyces coelicolor
```

```
<220>
<221> misc_feature
<222> (24)...(469)
<223> n = g, a, c or t/u
```

```
<400> 279
uaggcuggcc cgugcagcug guuncgcccc guccnnnnnn nnnnnngcca nnnnnnnnnn 60
nnggcgggau gcgucgcaag angggaacnc cgguggnnnn nnnnnnnnnn nnnnnnnnnn 120
nnnngaaucc gggacugcnc ccgacgcggu gangcgggnn nnnnnnnnnn nnnnnnnnnn 180
nnnnnnnnnn nnnnnnnnnn nnnnnnaacga ccgccgucan annnnnnnnn nnnnnnnnnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnc gcacugggcc 300
cgnnnnnnnn nnnnnnnnnn nnnnnnnnacg uacnnnnnnn nnnnnnnnnn nnnnnnnnnn 360
nnnnncgggc ccgggaaggc nnacggccag uagguguccu ccggacagga ggguggggnn 420
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nccccgcng aguccgaaga 480
ccugccaccu gcccgcgcgc ggacc 505
```

<210> 280
 <211> 505
 <212> RNA
 <213> Streptomyces coelicolor

<220>
 <221> misc_feature
 <222> (23)...(469)
 <223> n = g, a, c or t/u

<400> 280
 uacgcugaug cccgcaguug gunnucgcgc cuccuguccn nnnnngauca nnnnnnnggu 60
 cucggcggcg cgacgcnaag angggaacnc cgguggnnnn nnnnnnnnnn nnnnnnnnnn 120
 nnnngaaucc gggacugunc ccgcagcggu ganguggggn nnnnnnnnnn nnnnnnnnnn 180
 nnnnnnnnnn nnnnnnnnnn nnnnnnaacga aagccgucaa cannnnnnnn nnnnnnnnnn 240
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn gcacugggcc 300
 ccagnnnnnn nnnnnnnnnn nnnnnnnnaug agnnnnnnnn nnnnnnnnnn nnnnnnnnnn 360
 nnnuuggagc ccgggaagcn nngacggccg guaggugccc gccggugauc cguguccccg 420
 gugagcgcn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nccccacnng aguccgaaga 480
 ccugccacug cgcccguacg cgaug 505

<210> 281
 <211> 505
 <212> RNA
 <213> Streptomyces coelicolor

<220>
 <221> misc_feature
 <222> (23)...(469)
 <223> n = g, a, c or t/u

<400> 281
 gcagaccgua guaucagcgg gunncaucgn nnnnnnnnnn nnnnnnccgn nnnnnnnnnn 60
 nnnnnnnncg acgggnnaga cnaggaagnc cggugunnnn nnnnnnnnnn nnnnnnnnnn 120
 nnnngaaucc ggcacggucc cngccacugu ganccgggn nnnnnnnnnn nnnnnnnnnn 180
 nnnnnnnnnn nnnnnnnnnn nnnnnngagug caccuucga cacnnnnnnn nnnnnnnnnn 240
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnng ccacugcgcn 300
 nnnnnnnnnn nnnnnnnnnn nnnnnnnngc cnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 360
 nnnnnnnngc gcgggaaggc caggaggag cgucgannnn nnnnnnnnnn nnnnnnnnnn 420
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnuccggng agucaggaca 480
 cuggccuguc gcgggcccgu uccga 505

<210> 282
 <211> 505
 <212> RNA
 <213> Streptomyces coelicolor

<220>
 <221> misc_feature
 <222> (23)...(468)
 <223> n = g, a, c or t/u

```

<400> 282
uau gcucaug cucgcugucg cccccccccn nccccccccn nccccccccn nccccccccn 60
nnnnnnnnnn nnnnnngca gngggaaunc cggugcnnnn nnnnnnnnnn nnnnnnnnnn 120
nnnngaaucc ggaacugunc ccgcaacggu gunacnnnnn nnnnnnnnnn nnnnnnnnnn 180
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn uugcgugcau cnnnnnnnnn nnnnnnnnnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn cguacgunnn 300
nnnnnnnnnn nnnnnnnnnn nnnnnncuuc gcnnnnnnnn nnnnnnnnnn nnnnnnnnnn 360
nnnnnnnnnn nnacgugcgn nccgacgccu nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 420
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnngunc aguccgagga 480
ccugccgaca gugcgcccgg ccgcc                                     505

```

```

<210> 283
<211> 505
<212> RNA
<213> Streptomyces coelicolor

```

```

<220>
<221> misc_feature
<222> (23)...(469)
<223> n = g, a, c or t/u

```

```

<400> 283
acuacugucg ccacgccuug gunnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 60
nnnnnnnnnn nnnnnngaa cngggaaauc cggugunnnn nnnnnnnnnn nnnnnnnnnn 120
nnnngauggc ggugcgcccc ucgccacugu ganaucgggn nnnnnnnnnn nnnnnnnnnn 180
nnnnnnnnnn nnnnnnnnnn nnnnnnnaag uccggcuccg gccugacgg gccannnnnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnng ccacuggauc 300
gnnnnnnnnn nnnnnnnnnn nnnnnncuu gnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 360
nnnnnnccgu ccgggaaggc nnggagcacg ggcgguggua nnnnnnnnnn nnnnnnnnnn 420
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnccgunna agccaggaga 480
ccggccaagg cgcgucgucc aucca                                     505

```

```

<210> 284
<211> 505
<212> RNA
<213> Shigella flexneri

```

```

<220>
<221> misc_feature
<222> (24)...(469)
<223> n = g, a, c or t/u

```

```

<400> 284
ccuguagcau ccacuugccg gucnccnnnn nnnnnnnnnn nnnnnngugn nnnnnnnnnn 60
nnnnnnnnnn naguunnaau angggaaunc cagugcnnnn nnnnnnnnnn nnnnnnnnnn 120
nnnngaaucc agagcuganc gcgcagcggg aanggannnn nnnnnnnnnn nnnnnnnnnn 180
nnnnnnnnnn nnnnnnnnnn nnnnnnaaggu gcgaugauug cguaugcgn nnnnnnnnnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnng acacugccnn 300
nnnnnnnnnn nnnnnnnnnn nnnnnnnauc cnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 360
nnnnnnnnng gugggaaguc nnaucaucuc uuaguaucuu agauaccccn nnnnnnnnnn 420
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnucenna agcccgaaga 480
ccugccggcc aacgucgcau cuggu                                     505

```

<210> 285
 <211> 505
 <212> RNA
 <213> *Shewanella oneidensis*

<220>
 <221> misc_feature
 <222> (24)...(469)
 <223> n = g, a, c or t/u

<400> 285
 uuuugaguca accuucugug gugncuugcg augnnnnnnn nnnnnnauag nnnnnnnnnn 60
 nnnncgucgc gagaunnaau cngggaagnc cagugannnn nnnnnnnnnn nnnnnnnnnn 120
 nnnnaauucu ggcacugccc ccgcaacggu aaaagggunnn nnnnnnnnnn nnnnnnnnnn 180
 nnnnnnnnnn nnnnnnnnnn nngagagacg gccgcgauunn nnnnnnnnnn nnnnnnnnnn 240
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnncg auagguguuc 300
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnacg aunnnnnnnn nnnnnnnnnn nnnnnnnnnn 360
 nnnnnnngaa cccguaaauc gcagugugca aaggucaguu ucgcguuuau cucuagugag 420
 auggauuaua nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnngccunna aguccggaga 480
 ccggcccuaa agguguuuuu gagau 505

<210> 286
 <211> 505
 <212> RNA
 <213> *Shewanella oneidensis*

<220>
 <221> misc_feature
 <222> (24)...(469)
 <223> n = g, a, c or t/u

<400> 286
 accuauvcua uugcauuuag gucnauaaaac gccggannnn nnnnnnnnnn nnnnnnnnnn 60
 ucaaccctaaa uaunnnnaau angggaaunc ggggcgcugn nnnnnnnccc gunnnnnnnn 120
 ncagccagcc cgaacuguac ccgcaacugu ganguagnnn nnnnnnnnnn nnnnnnnnnn 180
 nnnnnnnnnn nnnnnnnnnn nuuaaaagaa gcgccuagau unnnnnnnnn nnnnnnnnnn 240
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn cuagauucua 300
 gauucuagnn nnnnnnnnnn nnnnnnnnauu nnnnnnnnnn nnnnnnnnnn nnnnnnnnnnc 360
 uagauucuag auucuaaagn nccuagcacc uucuuuunnn nnnnnnnnnn nnnnnnnnnn 420
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnncuacna agucaggaga 480
 ccugccuauu gcuguuuucg cugcg 505

<210> 287
 <211> 505
 <212> RNA
 <213> *Salmonella typhimurium*

<220>
 <221> misc_feature
 <222> (30)...(468)
 <223> n = g, a, c or t/u

```
<400> 287
gccauaacgu aaaccaacag guuugccacn nnnnnnnnnn nnnnnnauuu nnnnnnnnnn 60
nnnnnnnnngu ggunnnnnnn angggaagng gggugannnn nnnnnnnnnn nnnnnnnnnn 120
nnnnaaaaucc cccgcagccc ccgcugcugu gaugcnnnnn nnnnnnnnnn nnnnnnnnnn 180
nnnnnnnnnnn nnnnnnnnnn nnnnnnnugac gaccccguaa agannnnnnn nnnnnnnnnn 240
nnnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn ccacugaucn 300
nnnnnnnnnnn nnnnnnnnnn nnnnnnnngca annnnnnnnn nnnnnnnnnn nnnnnnnnnn 360
nnnnnnnnnga uugggaaggn nnacgggcca ggaggacnnn nnnnnnnnnn nnnnnnnnnn 420
nnnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnngcua agccagaaga 480
ccugccuguc ggugauaacc aacaa 505
```

```
<210> 288
<211> 505
<212> RNA
<213> Salmonella typhimurium
```

```
<220>
<221> misc_feature
<222> (24)...(469)
<223> n = g, a, c or t/u
```

```
<400> 288
acgguagcau ccgugggccc gucncunnnn nnnnnnnnnn nnnnnnnngug nnnnnnnnnn 60
nnnnnnnnnnn naguunnaau angggaaucc cagugannnn nnnnnnnnnn nnnnnnnnnn 120
nnnnaaaaucc ygagcuganc gcgcagcggg aangganann nnnnnnnnnn nnnnnnnnnn 180
nnnnnnnnnnn nnnnnnnnnn nnnnnnaagg ugagaugaga gcguaagcan nnnnnnnnnn 240
nnnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnng acacugccnn 300
nnnnnnnnnnn nnnnnnnnnn nnnnnnnnnn cnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 360
nnnnnnnnnnn gcgggaaguc naucauuucu gcuauccagc caacggauaa cccnnnnnnn 420
nnnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnucnna agcccgaaga 480
ccugccggcu aacgucgcau cuggu 505
```

```
<210> 289
<211> 505
<212> RNA
<213> Thermotoga maritima
```

```
<220>
<221> misc_feature
<222> (23)...(469)
<223> n = g, a, c or t/u
```

```
<400> 289
gaagccuccc ucaccgugcg gunnaccenn nnnnnnnnnn nnnnnnuucg nnnnnnnnnn 60
nnnnnnnnnnn gguucnnaaa gngggaagnc cggugannnn nnnnnnnnnn nnnnnnnnnn 120
nnnnaaaaucc ggcgcggggn ccgccaccgu gancggggn nnnnnnnnnn nnnnnnnnnn 180
nnnnnnnnnnn nnnnnnnnnn nnnnnngacg aaaccgcag aacnnnnnnn nnnnnnnnnn 240
nnnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnng ccacuggggn 300
nnnnnnnnnnn nnnnnnnnnn nnnnnncgau cannnnnnnn nnnnnnnnnn nnnnnnnnnn 360
nnnnnnnnnc cugggaaggc nngcggggag uaggaugann nnnnnnnnnn nnnnnnnnnn 420
nnnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnuccggna agccgggaaa 480
cccgccgcg gugaagggga accac 505
```

<210> 290
 <211> 505
 <212> RNA
 <213> Thermoanaerobacter tengcongensis

<220>
 <221> misc_feature
 <222> (23)...(469)
 <223> n = g, a, c or t/u

<400> 290
 uugaauauua aagccuuaug gunnccccnnn nnnnnnnnnn nnnnnnaugau nnnnnnnnnn 60
 nnnnnnnnnn gggguunnaaa angggaagac gggugannnn nnnnnnnnnn nnnnnnnnnn 120
 nnnngaaucc cgcgcagccc ccgcuaucugu gangggannn nnnnnnnnnn nnnnnnnnnn 180
 nnnnnnnnnn nnnnnnnnnn nnnnnnggac gaagcccuag uaannnnnnn nnnnnnnnnn 240
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnng ccacuguccg 300
 gcacucaacu gagcgcggnn uuaguaagga gaaaagaggg agagaaaunn ugcguucagu 360
 ugagugccgg gugggaaggc nnaggugga ggaugagnnn nnnnnnnnnn nnnnnnnnnn 420
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnucccng agccaggaga 480
 ccugccauaa gguuuuagaa guucg 505

<210> 291
 <211> 505
 <212> RNA
 <213> Thermoanaerobacter tengcongensis

<220>
 <221> misc_feature
 <222> (23)...(469)
 <223> n = g, a, c or t/u

<400> 291
 ugaaauaaaa aagccuuaug gunnccccnnn nnnnnnnnnn nnnnnngugau nnnnnnnnnn 60
 nnnnnnnnnn gggguunnaaa angggaagac gggugannnn nnnnnnnnnn nnnnnnnnnn 120
 nnnngaaucc cgcgcagccc ccgcuaucugu gangggannn nnnnnnnnnn nnnnnnnnnn 180
 nnnnnnnnnn nnnnnnnnnn nnnnnnggac gaagcccuag uaannnnnnn nnnnnnnnnn 240
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnng ccacuguccg 300
 gcacucaacu gagcgcggnn uuaguaagga gaaaagaggg agagaaaunn ugcguucagu 360
 ugagugccgg augggaaggc nnaggugga ggaugagnnn nnnnnnnnnn nnnnnnnnnn 420
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnucccng agccaggaga 480
 ccugccauaa gguuuuuaaa aguuc 505

<210> 292
 <211> 505
 <212> RNA
 <213> Vibrio cholerae

<220>
 <221> misc_feature
 <222> (23)...(469)
 <223> n = g, a, c or t/u

```

<400> 292
auacuaucag cgccaagcug gunngcuauu uagaugccnn nnnnnnugga unnnnnnnnn 60
ggcuaaaaau ggcugnnaaa angggaaunc cggugunnnn nnnnnnnnnn nnnnnnnnnn 120
nnnnaacucc ggaacuganc gcgcagcggu aangagagnn nnnnnnnnnn nnnnnnnnnn 180
nnnnnnnnnn nnnnnnnnnn nnnnnnnnaac gaacgcucua acnnnnnnnnn nnnnnnnnnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnng acacugcunn 300
nnnnnnnnnn nnnnnnnnnn nnnnnnnuuu cgnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 360
nnnnnnnnna gugggaaguc nngagccagu aggccaaacag ugnnnnnnnn nnnnnnnnnn 420
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nncucucnna aguccgaaga 480
ccugccagca acugaguauu gcagu 505

```

```

<210> 293
<211> 505
<212> RNA
<213> Vibrio vulnificus

```

```

<220>
<221> misc_feature
<222> (23)...(468)
<223> n = g, a, c or t/u

```

```

<400> 293
auaguaugcg cuucaagcug gunngcuauu ugnnnnnnnn nnnnnngaagu annnnnnnnn 60
nnnnnuagau ggcugnnaaa angggaaunc cggugunnnn nnnnnnnnnn nnnnnnnnnn 120
nnnngaaucc ggaacuganc gcgcagcggu aaauagagnn nnnnnnnnnn nnnnnnnnnn 180
nnnnnnnnnn nnnnnnnnnn nnnnnnnnaac gaaagcuuaa ucannnnnnn nnnnnnnnnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnng acacugcacg 300
aunnnnnnnn nnnnnnnnnn nnnnnnnngga nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 360
nnnnnaucgu gugggaaguc nnaggcaagu agguuaacag nnnnnnnnnn nnnnnnnnnn 420
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnncucunug aguccgaaua 480
ccugccagca acugagcaaa cacug 505

```

```

<210> 294
<211> 505
<212> RNA
<213> Xanthomonas campestris

```

```

<220>
<221> misc_feature
<222> (24)...(469)
<223> n = g, a, c or t/u

```

```

<400> 294
cuaccaugcg cgccccugag gugnacugcc ggnnnnnnnn nnnnnnaauu nnnnnnnnnn 60
nnnnnccggu ggguunnaaa cngggaaunc cggugcgcg cgcgcnnncu ugnnngcgag 120
acgcaagucc ggagcugccc ccgcaacggu ggngcgagnn nnnnnnnnnn nnnnnnnnnn 180
nnnnnnnnnn nnnnnnnnnn nnnnnnguca ggugccgcaa cagnnnnnnn nnnnnnnnnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnng ccacugugcn 300
nnnnnnnnnn nnnnnnnnnn nnnnnnnnaca cnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 360
nnnnnnnnngc augggaaggc nngcgguacc ggaagcgag gcuuccannn nnnnnnnnnn 420
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nncucgcnnng agcccggaga 480
ccggccugag ggauugaccc ggcac 505

```

<210> 295
 <211> 505
 <212> RNA
 <213> *Xanthomonas citri*

<220>
 <221> misc_feature
 <222> (24)...(469)
 <223> n = g, a, c or t/u

<400> 295
 cuaccaugcg cgccccugag gugnacugcc ggnnnnnnnnn nnnnnnnuugg nnnnnnnnnn 60
 nnnnnccggu ggguunnaaa cngggaaunc cggugcgcgg aucgcnnncu ugnnnngcgag 120
 cugcaauucc ggagcugccc ccgcaacggg ggngcgagnn nnnnnnnnnn nnnnnnnnnn 180
 nnnnnnnnnn nnnnnnnnnn nnnnnnguca gaugccgcac uacnnnnnnn nnnnnnnnnn 240
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnng ccacugugcn 300
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnagu cnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 360
 nnnnnnnngc augggaaggc nngcggcauc ggaagcgcca gcuuccannn nnnnnnnnnn 420
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nncucgcna agcccgga 480
 ccggccugag ggauugaccc ggcac 505

<210> 296
 <211> 505
 <212> RNA
 <213> *Yersinia pestis*

<220>
 <221> misc_feature
 <222> (39)...(469)
 <223> n = g, a, c or t/u

<400> 296
 uacuugaucg uagcauugug guccggccuc augcuguunn nnnnnnauuu annnnnnnnn 60
 naacaccuaa gaguunnaaa angggaaunc cggugunnnn nnnnnnnnnn nnnnnnnnnn 120
 nnnnaaaucc ggagcuganc gcgcagcggu aaggggannn nnnnnnnnnn nnnnnnnnnn 180
 nnnnnnnnnn nnnnnnnnnn nnnnnnnaguc acggcgauag guuucuaaca nnnnnnnnnn 240
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnng acacuguccn 300
 nnnnnnnnnn nnnnnnnnnn nnnnnnnngca annnnnnnnn nnnnnnnnnn nnnnnnnnnn 360
 nnnnnnnngg augggaaguc nnaucgccug cucuauuucg cgccauuuau uaucaacagu 420
 auuuuuacug ucauaaccuau ggccugauac cagagannnn nnnuccunna agcccgaaga 480
 ccugccggua uuacgucgca auauu 505

<210> 297
 <211> 506
 <212> RNA
 <213> *Acinetobacter calcoaceticus*

<220>
 <221> misc_feature
 <222> (30)...(470)
 <223> n = g, a, c or t/u

<400> 297

```

cuuuacacaa uucguaacaa guaaaaagcn nnnnnnnnnn nnnnnnauuc nnnnnnnnnn 60
nnnnnnnnngc uuunnnnnnn angggaaanc uggugcnnnn nnnnnnnnnn nnnnnnnnnn 120
nnnnaaauac cagugcugcc cccgcaacgg uaanaaaugn nnnnnnnnnn nnnnnnnnnn 180
nnnnnnnnnn nnnnnnnnnn nnnnnnnnua aaccuauuua aaaaagucan uuagacuuan 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnc gccacugcau 300
nnnnnnnnnn nnnnnnnnnn nnnnnnnngca uagnnnnnnn nnnnnnnnnn nnnnnnnnnn 360
nnnnnnnnna ugugggaagg ugnauauagc uugucucuuu uugagaugcn nnnnnnnnnn 420
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnncauuunn gaguccggag 480
accugcuugu uacaucauc cacuca 506

```

<210> 298

<211> 505

<212> RNA

<213> *Agrobacterium vitis*

<220>

<221> misc_feature

<222> (23)...(469)

<223> n = g, a, c or t/u

<400> 298

```

ccuaaagugg cagcguaucg gunnucugca agugunnnnn nnnnnncaaa nnnnnnnnnn 60
nnacgcncgc ggaugnnaaa angggaauna cggugaggac gaccnnaag uaannnnnnng 120
ggccgaaacc guggcugccc cccgaacugu ganacggnnn nnnnnnnnnn nnnnnnnnnn 180
nnnnnnnnnn nnnnnnnnnn nnnnnncgag cgauguccau caunnnnnnn nnnnnnnnnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnng ccuuggccn 300
nnnnnnnnnn nnnnnnnnnn nnnnnnncca cnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 360
nnnnnnnnng ccgauaaggc nnggacaaag cccagacnnn nnnnnnnnnn nnnnnnnnnn 420
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnccgunng agccaggaga 480
ccugccgaua agcaugcgcg aaage 505

```

<210> 299

<211> 505

<212> RNA

<213> *Bacteroides fragilis*

<220>

<221> misc_feature

<222> (23)...(469)

<223> n = g, a, c or t/u

<400> 299

```

uuauucuugc ucccugaucg gunnucgaa uagnnnnnnn nnnnnucauu ccunnnnnnn 60
nnnnncuaucc ggauunnaaa angggaaunc gggugunnnn nnnnnnnnnn nnnnnnnnnn 120
nnnnaaaucc cggacagunc cccgucugcu gaagcuccnn nnnnnnnnnn nnnnnnnnnn 180
nnnnnnnnnn nnnnnnnnnn nngucugaa uuuccgauaa caacuguunn nnnnnnnnnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnng ccacugggau 300
accuuuuugn nnnnnnnnnn nnnnnnnuua annnnnnnnn nnnnnnnnnn nnnnnnuaga 360
uaaggaguca cccggaaggc nngucggaaa caannnnnnn nnnnnnnnnn nnnnnnnnnn 420
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnggagunnc agucagaaga 480
ccugccgcuu aucaaaggcu guuuc 505

```

<210> 300
 <211> 505
 <212> RNA
 <213> *Bacillus megaterium*

<220>
 <221> misc_feature
 <222> (23)...(469)
 <223> n = g, a, c or t/u

<400> 300
 aucaaacagc aacaguaaaag gunngccnnn nnnnnnnnnn nnnnnnaaga annnnnnnnn 60
 nnnnnnnnnn ggcuunnaau angggaaanc uggugannnn nnnnnnnnnn nnnnnnnnnn 120
 nnnnaagacc aguacugccc ccgcaacugu aangugugnn nnnnnnnnnn nnnnnnnnnn 180
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnga cgaacgagua unnnnnnnnn nnnnnnnnnn 240
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnaa ccacugugan 300
 nnnnnnnnnn nnnnnnnnnn nnnnnnaaaa annnnnnnnn nnnnnnnnnn nnnnnnnnnn 360
 nnnnnnnnuc acgggaaggu uncucaagua gaaugannnn nnnnnnnnnn nnnnnnnnnn 420
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnuacacna agucaggaga 480
 ccugucuuaa uugugaaguu ucuau 505

<210> 301
 <211> 505
 <212> RNA
 <213> *Leishmania major*

<220>
 <221> misc_feature
 <222> (1)...(469)
 <223> n = g, a, c or t/u

<400> 301
 nnnnnnnnnn nnnnnnucgg gugnceccunn nnnnnnnnnn nnnnnnucac nnnnnnnnnn 60
 nnnnnnnnnn gggugnaaaa cngggaaanc cggugaguca uguuccuuua cucaagggcg 120
 ugacgagucc ggugcugccc ccgcaacggu aangcgagnn nnnnnnnnnn nnnnnnnnnn 180
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnug aagcgucaaa unnnnnnnnn nnnnnnnnnn 240
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn ccacugugcc 300
 nnnnnnnnnn nnnnnnnnnn nnnnnnucca gnannnnnnn nnnnnnnnnn nnnnnnnnnn 360
 nnnnnnnnggc augggaaggn nnugaugcuu ucaaggccca ggcccnnnnn nnnnnnnnnn 420
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nncucgcna agcccggaga 480
 ccggcccgaa aaaaucagau aacaa 505

<210> 302
 <211> 505
 <212> RNA
 <213> *Propionibacterium freudenreichii*

<220>
 <221> misc_feature
 <222> (24)...(469)
 <223> n = g, a, c or t/u

```

<400> 302
uguguaggcu aguagugcug guuncggcug cennnnnnnn nnnnnnccac nnnnnnnnnn 60
nnnnnnggcag ucgucgcaag angggaaunc cggugunnnn nnnnnnnnnn nnnnnnnnnn 120
nnnnaauucc ggaacugunc ccgcagcggg canaugggnn nnnnnnnnnn nnnnnnnnnn 180
nnnnnnnnnn nnnnnnnnnn nnnnnnnaac gacacaacgu aagnnnnnnn nnnnnnnnnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn gcacugggcg 300
nnnnnnnnnn nnnnnnnnnn nnnnnnngca annnnnnnnn nnnnnnnnnn nnnnnnnnnn 360
nnnnnnncgc cugggaagun naguagugga ggaagucggg agugaucucg caaugnnnnn 420
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnncccaunng aguccgaaga 480
ccugccagca gcgacaacau cuguu 505

```

```

<210> 303
<211> 505
<212> RNA
<213> Rhodobacter capsulatus

```

```

<220>
<221> misc_feature
<222> (24)...(468)
<223> n = g, a, c or t/u

```

```

<400> 303
gccacucagg gcggggcgug guunucuguc nnnnnnnnnn nnnnnncuau nnnnnnnnnn 60
nnnnnnngac aggcgnnaag angggaaung ugaagggau ucgcacggcu uunngccgcg 120
aaacccgacc gcagccgccc ccgcgaccgu gaccggannn nnnnnnnnnn nnnnnnnnnn 180
nnnnnnnnnn nnnnnnnnnn nnnnnnngag ggcgccccga gnnnnnnnnn nnnnnnnnnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnng ccacuggcnn 300
nnnnnnnnnn nnnnnnnnnn nnnnnnacca nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 360
nnnnnnnnng ccgggaaggc nnggggcgac cgugagggga cccccccucg cannnnnnnn 420
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnuccgnca agccgggaga 480
ccugccagcg cauggauuuc gggcg 505

```

```

<210> 304
<211> 505
<212> RNA
<213> Rhodobacter capsulatus

```

```

<220>
<221> misc_feature
<222> (23)...(469)
<223> n = g, a, c or t/u

```

```

<400> 304
ggcuacucca acaggcgaug gunnuccenn nnnnnnnnnn nnnnaacugg acnnnnnnnn 60
nnnnnnnnng ggauunnaau angggaaacna cggugaggau uaccennnau cannnnnngg 120
ggccuaaucc guggcugccc ccgcaacugu gangcggnnn nnnnnnnnnn nnnnnnnnnn 180
nnnnnnnnnn nnnnnnnnnn nnnnnncgaga cgacggucga agnnnnnnnn nnnnnnnnnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnna ccacuggccc 300
ccccgnnnnn nnnnnnnnnn nnnnnnaucca cnnnnnnnnn nnnnnnnnnn nnnnnnnncg 360
gggagaacgg ccgggaaggu nngacccgag ugaucgaan nnnnnnnnnn nnnnnnnnnn 420
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnccgcna agucaggaga 480
ccugccaucg cucuggcguc gcaag 505

```

<210> 305
 <211> 505
 <212> RNA
 <213> Rhodobacter capsulatus

<220>
 <221> misc_feature
 <222> (24)...(469)
 <223> n = g, a, c or t/u

<400> 305
 gggcaccuuc gcggcagaug guuncccggc caagcnnnnn nnnnnncacn nnnnnnnnnn 60
 nngcgcggcc gggugnnaaa angggaauna cgguguggug uaggcnnnau cannnnnngc 120
 cgccaaaucc guaacugccc ccgcaacugu aangcggnnn nnnnnnnnnn nnnnnnnnnn 180
 nnnnnnnnnn nnnnnnnnnn nnnnnnnncg agcacccccc ggcannnnnn nnnnnnnnnn 240
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnna ccacuggccc 300
 cgnnnnnnnn nnnnnnnnnn nnnnnnnaccg nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 360
 nnnnncgggg ccgggaaggu nnggggaagc cagcagcnnn nnnnnnnnnn nnnnnnnnnn 420
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnccgcna agucaggaga 480
 ccugccauca gcgucauca cgcgc 505

<210> 306
 <211> 505
 <212> RNA
 <213> Rhodobacter sphaeroides

<220>
 <221> misc_feature
 <222> (22)...(469)
 <223> n = g, a, c or t/u

<400> 306
 uguuuugugg caggggucag gngnccgcn nnnnnnnnnn nnnnnnuucg nnnnnnnnnn 60
 nnnnnnnngg cggagnnaau cngggaagnc cgguggnnnn nnnnnnnnnn nnnnnnnnnn 120
 nnnnaaaucc ggcgcgggnc ccgccgcugu gancgggnnn nnnnnnnnnn nnnnnnnnnn 180
 nnnnnnnnnn nnnnnnnnnn nnnnnngaug cuccgggcaa gagnnnnnnn nnnnnnnnnn 240
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnng ccaccggunn 300
 nnnnnnnnnn nnnnnnnnnn nnnnnnnuucn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 360
 nnnnnnnnnng ccgggaaggc nngcccggcg gcagaugaan nnnnnnnnnn nnnnnnnnnn 420
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnccgng agccagaaga 480
 ccggccugac gcagagguuc ccgcc 505

<210> 307
 <211> 505
 <212> RNA
 <213> Sorghum bicdor

<220>
 <221> misc_feature
 <222> (24)...(469)
 <223> n = g, a, c or t/u

```
<400> 307
uagacugcgc ccacuuccag gugnaccugc ggcnnnnnnnn nnnnnncaug nnnnnnnnnnn 60
nnngccggca gguugnnaaa cnggnaagnc cggugacgcg ugnnnnnnnau ucnnnnnnnc 120
acgccaggcc ggcgugcccc ccgcaacggu aangcacguc nnnnnnnnnnn nnnnnnnnnnn 180
nnnnnnnnnn nnnnnnnnnnn nnnnnnnnag ucccaggcaa caacnnnnnn nnnnnnnnnnn 240
nnnnnnnnnn nnnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnng ccacugugcc 300
nnnnnnnnnn nnnnnnnnnnn nnnnnnnacgn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnnn 360
nnnnnnnggc augggaaggc nngccuggac gguggccucg cgccaccenn nnnnnnnnnnn 420
nnnnnnnnnn nnnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nggcggcna agcccgagga 480
ccggccccga agccucaggu cgca 505
```

```
<210> 308
<211> 505
<212> RNA
<213> Streptomyces griseus
```

```
<220>
<221> misc_feature
<222> (24)...(469)
<223> n = g, a, c or t/u
```

```
<400> 308
uaggcugacc ggugcagcug guuncgccc guccnnnnnn nnnnnngcca nnnnnnnnnnn 60
nnnnngcagg gugucgcaag angggaacnc cgguggnnnn nnnnnnnnnnn nnnnnnnnnnn 120
nnnnaaaucc gggacugcnc ccgcagcggu ganguggggn nnnnnnnnnnn nnnnnnnnnnn 180
nnnnnnnnnn nnnnnnnnnnn nnnnnnaacg accgccguca uannnnnnnn nnnnnnnnnnn 240
nnnnnnnnnn nnnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnc gcacugggcc 300
cnnnnnnnnn nnnnnnnnnnn nnnnnnnnga cnnnnnnnnn nnnnnnnnnn nnnnnnnnnnn 360
nnnnnnnggu cugggaagcg nnacggccac uaggugucug cccggcagac gugnnnnnnn 420
nnnnnnnnnn nnnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nncccgcnng aguccgaaga 480
ccugcccgcg gcccgcacgc gaccg 505
```

```
<210> 309
<211> 505
<212> RNA
<213> Stealth virus
```

```
<220>
<221> misc_feature
<222> (23)...(469)
<223> n = g, a, c or t/u
```

```
<400> 309
aucgcucgcu ucaggaaacg gunnucugcc cnnnnnnnnn nnnnnngaga nnnnnnnnnnn 60
nnnnnnnggu ggaugnnaaa angggaacna cggugaagca nnnnnnnnuua aaunnnnnnn 120
ugcugaugcc gagacugccc ccgcaacugu aancgggnnn nnnnnnnnnnn nnnnnnnnnnn 180
nnnnnnnnnn nnnnnnnnnnn nnnnnnagagu cauccuccua ugaucguauc uuacgauau 240
annnnnnnnn nnnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnng ccacugagca 300
nnnnnnnnnn nnnnnnnnnnn nnnnnnuucg nnnnnnnnnn nnnnnnnnnn nnnnnnnnnnn 360
nnnnnnnugu ucgggaaggc nnggaggacc gaugaagacn nnnnnnnnnn nnnnnnnnnnn 420
nnnnnnnnnn nnnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnccggna agucaggaga 480
ccugccguau ccagucaccc auggc 505
```

<210> 310
 <211> 505
 <212> RNA
 <213> *Zymomonas mobilis*

<220>
 <221> misc_feature
 <222> (23)...(469)
 <223> n = g, a, c or t/u

<400> 310
 cggaauuuu uuugcauagg gunnuuccuu cnnnnnnnnn nnnnnngagu nnnnnnnnnn 60
 nnnnnngaag gaannnnaau ungggaacna aggugcnnnn nnnnnnnnnn nnnnnnnnnn 120
 nnnnaaaacc uuggcugccc cugcaacugu aanacagunn nnnnnnnnnn nnnnnnnnnn 180
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnu gaaacgcaa aaannnnnnn nnnnnnnnnn 240
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnng ccacugaann 300
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnucu annnnnnnnn nnnnnnnnnn nnnnnnnnnn 360
 nnnnnnnnnu ucgggaaggc nngguuguuu cgaunnnnnn nnnnnnnnnn nnnnnnnnnn 420
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nngcugunng agccaggaga 480
 ccgaccuau guaaucguuc cacga 505

<210> 311
 <211> 505
 <212> RNA
 <213> *Zymomonas mobilis*

<220>
 <221> misc_feature
 <222> (24)...(468)
 <223> n = g, a, c or t/u

<400> 311
 agcaaugagg aaggauuaag guuncuuugu nnnnnnnnnn nnnnncauug nnnnnnnnnn 60
 nnnnnnngca aagcunnaag angggaaanc uggugcgaaa nnnnnnnnga aunnnnnnnn 120
 uuucaaagcc agugcugccc ccgcaacugu aanacggnnn nnnnnnnnnn nnnnnnnnnn 180
 nnnnnnnnnn nnnnnnnnnn nnnnnncgagc aaagaucaaa aunnnnnnnn nnnnnnnnnn 240
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnng ccacugauan 300
 nnnnnnnnnn nnnnnnnnnn nnnnnnnuuau nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 360
 nnnnnnnnua ucgggaaggc nnugaucgga cgcggugacn nnnnnnnnnn nnnnnnnnnn 420
 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnccgunca agucaggaga 480
 ccugccuuaa accaagucan ccacu 505

<210> 312
 <211> 105
 <212> RNA
 <213> *Bacillus halodurans*

<220>
 <221> misc_feature
 <222> (43)...(80)
 <223> n = g, a, c or t/u

<400> 312
 acatgtagat atcatccctt tcgtatatac ttggagataa ggntccagga gtttctacca 60
 gatcaccgta aatgatctgn actatgaagg tggaatggct cgata 105

<210> 313
<211> 105
<212> RNA
<213> Bacillus halodurans

<220>
<221> misc_feature
<222> (43)...(80)
<223> n = g, a, c or t/u

<400> 313
aataaatcga aaacatcatt tcgtataatg gcaggaatag ggncctgcga gtttctacca 60
agctaccgta aatagcttgn actacgaaaa taatgggttt ttac 105

<210> 314
<211> 105
<212> RNA
<213> Bacillus halodurans

<220>
<221> misc_feature
<222> (43)...(80)
<223> n = g, a, c or t/u

<400> 314
cgttctttat ataaagtacc tcatataatc ttgggaatat ggncccaaaa gtttctacct 60
gctgaccgta aatcggcggn actatgggga aagattttgg atctt 105

<210> 315
<211> 105
<212> RNA
<213> Bacillus halodurans

<220>
<221> misc_feature
<222> (28)...(79)
<223> n = g, a, c or t/u

<400> 315
ttaatcgagc tcaacactct tcgtatantc ctctcaatat ggngatgagg gtctctacag 60
gtannccgta aatacctnna gctacgaaaa gaatgcagtt aatgt 105

<210> 316
<211> 105
<212> RNA
<213> Bacillus halodurans

<220>
<221> misc_feature
<222> (43)...(80)
<223> n = g, a, c or t/u

<400> 316
atctacatta aaaaagcac tcgtataatc gcgggaatag ggncccgcaa gtttctacca 60
ggctgccgta aacagcctgn actacgagtg atactttgac ataga 105

<210> 317
<211> 105
<212> RNA
<213> Bacillus subtilis

<220>
<221> misc_feature
<222> (43)...(80)
<223> n = g, a, c or t/u

<400> 317
agaaatcaaa taagatgaat tcgtataatc gcgggaatat ggnctcgcaa gtctctacca 60
agctaccgta aatggcttgn actacgtaaa catttctttc gtttg 105

<210> 318
<211> 105
<212> RNA
<213> Bacillus subtilis

<220>
<221> misc_feature
<222> (43)...(80)
<223> n = g, a, c or t/u

<400> 318
catgaaatca aaacacgacc tcatataatc ttgggaatat ggncccataa gtttctacce 60
ggcaaccgta aattgccggn actatgcagg aaagtgatcg ataaa 105

<210> 319
<211> 105
<212> RNA
<213> Bacillus subtilis

<220>
<221> misc_feature
<222> (43)...(80)
<223> n = g, a, c or t/u

<400> 319
ttacaatata ataggaacac tcatataatc gcgtggatat ggncaacgcaa gtttctaccg 60
ggcanccgta aantgtccgn actatgggtg agcaatggaa ccgca 105

<210> 320
<211> 105
<212> RNA
<213> Bacillus subtilis

<220>
<221> misc_feature
<222> (43)...(80)
<223> n = g, a, c or t/u

<400> 320
catcttagaa aaagacattc ttgtatatga tcagtaatat ggntctgatt gtttctacct 60
agtaaccgta aaaaactagn actacaagaa agtttgaata aattt 105

<210> 321
<211> 105
<212> RNA
<213> *Clostridium acetobutylicum*

<220>
<221> misc_feature
<222> (29)...(80)
<223> n = g, a, c or t/u

<400> 321
tatataaaaa actaaatttc tcgtatacna ccggtaatat ggntccggaa gtttctacct 60
gctgnccata aantagcagn actacgggggt gttattgata atata 105

<210> 322
<211> 105
<212> RNA
<213> *Clostridium acetobutylicum*

<220>
<221> misc_feature
<222> (43)...(80)
<223> n = g, a, c or t/u

<400> 322
gaaaagtaat aacatattac ccgtatatgc ttagaaatat ggntctaagc gtctctaccg 60
gactgccgta aattgtctgn actatgggtg tttataagta tttta 105

<210> 323
<211> 105
<212> RNA
<213> *Clostridium acetobutylicum*

<220>
<221> misc_feature
<222> (29)...(80)
<223> n = g, a, c or t/u

<400> 323
aatcgttaat atagtttaac tcatatatnt tcttgaatat ggnnccaggat gtttctacaa 60
ggaancctta aantttcttn actatgagtg atttgtttgt atgca 105

<210> 324
<211> 105
<212> RNA
<213> *Clostridium perfringens*

<220>
<221> misc_feature
<222> (43)...(80)
<223> n = g, a, c or t/u

<400> 324
tatgtactta tataagtata tcgtatatgc tcgacgatat ggngttgagt gtttctacta 60
ggaggccgta aacatcctan actacgaata tataggtgat ttcta 105

<210> 325
<211> 105
<212> RNA
<213> *Clostridium perfringens*

<220>
<221> misc_feature
<222> (43)...(80)
<223> n = g, a, c or t/u

<400> 325
taagtgtatt aaattttaac tcgtatataa tcggtaatat ggntccgaaa gtttctacct 60
gctaaccgta aatagcagn actacgagga gttgtactat aaatt 105

<210> 326
<211> 105
<212> RNA
<213> *Clostridium perfringens*

<220>
<221> misc_feature
<222> (29)...(80)
<223> n = g, a, c or t/u

<400> 326
aaaacggaat ataaacaaac tcgtataang ctttgaataa ggnncaaggc gtttctaccg 60
gaaancctta aantttccgn tctatgagtg aatttgatat actat 105

<210> 327
<211> 105
<212> RNA
<213> *Fusobacterium nucleatum*

<220>
<221> misc_feature
<222> (29)...(73)
<223> n = g, a, c or t/u

<400> 327
taaataattt taataaaaaat tcgtataang cctaatatat ggnaaagggt gtccttacgg 60
ttaanccata aanttaacca gctacgaaaa atgttttact gtgtt 105

<210> 328
<211> 105
<212> RNA
<213> *Lactococcus lactis*

<220>
<221> misc_feature
<222> (28)...(80)
<223> n = g, a, c or t/u

<400> 328
gtctataata gaacaatctt atttatannn cctaggatat ggnnctgggc gtttctacct 60
cgtaaccgta aantgcgagn acaataagga aattcgattt ttttag 105

<210> 329
<211> 105
<212> RNA
<213> *Listeria monocytogenes*

<220>
<221> misc_feature
<222> (43)...(80)
<223> n = g, a, c or t/u

<400> 329
aatccgctac aataatatag tcgtataagt tcggtaatat ggnaccgttc gtttctacca 60
ggcaaccgta aaatgccagn gctacgagct attgtaaaat ttaat 105

<210> 330
<211> 105
<212> RNA
<213> *Listeria monocytogenes*

<220>
<221> misc_feature
<222> (39)...(80)
<223> n = g, a, c or t/u

<400> 330
ataacttaaa accgaaatac ttgtataata gttgcatnt ggngcgacga gtttctacct 60
ggttaccgta aataaccggn actatgagta gtttgtataa agaag 105

<210> 331
<211> 105
<212> RNA
<213> *Oceanobacillus iheyensis*

<220>
<221> misc_feature
<222> (43)...(80)
<223> n = g, a, c or t/u

<400> 331
caatttttat ccaatgcctt tcgtatatcc tcgataatat ggnttcgaaa gtatctaccg 60
ggtcaccgta aatgatctgn actatgaagg cagaagcagg ttcgg 105

<210> 332
<211> 105
<212> RNA
<213> *Ocenobacillus iheyensis*

<220>
<221> misc_feature
<222> (43)...(80)
<223> n = g, a, c or t/u

<400> 332
tgatgtaatt gaatagaaat gcgataaatt aaggggatat ggnncccaca gtttctacca 60
gaccaccgta aatggtttgn actacgcagt aattatatatt gtatc 105

<210> 333
<211> 105
<212> RNA
<213> *Oceanobacillus iheyensis*

<220>
<221> misc_feature
<222> (43)...(80)
<223> n = g, a, c or t/u

<400> 333
ccgacaattg aaaatgaacc tcatataaat ttgagaatat ggncctcagaa gtttctaccc 60
agcanccgta aatggcttgn actatgaggg aagatggatc atttc 105

<210> 334
<211> 105
<212> RNA
<213> *Oceanobacillus iheyensis*

<220>
<221> misc_feature
<222> (43)...(80)
<223> n = g, a, c or t/u

<400> 334
aaaccttata tatagttttt tcatataatc gcgggggatat ggncctgcaa gtttctaccg 60
gtttaccgta aatgaaccgn actatggaaa agcgggaaaat tcgat 105

<210> 335
<211> 105
<212> RNA
<213> *Staphylococcus aureus*

<220>
<221> misc_feature
<222> 80
<223> n = g, a, c or t/u

<400> 335
gttaaataat ttacataaac tcatataatc taaagaatat ggcttttagaa gtttctacca 60
tgttgccttg aacgacatgn actatgagta acaacacaat actag 105

<210> 336
<211> 105
<212> RNA
<213> *Staphylococcus epidermidis*

<220>
<221> misc_feature
<222> 80
<223> n = g, a, c or t/u

<400> 336
cataaaataa tttatatgac tcatataatc tagagaatat ggcttttagaa gtttctaccg 60
tgtcgccata aacgacacgn actatgagta acaatccaat acatt 105

<210> 337
<211> 105
<212> RNA
<213> Streptococcus agalactiae

<220>
<221> misc_feature
<222> (29)...(80)
<223> n = g, a, c or t/u

<400> 337
caattaaata tatgatttac ttatttatng ctgaggatnt ggnncttagc gtctctacaa 60
gacanccgtn aantgtctan acaataagta agctaataaa tagct 105

<210> 338
<211> 105
<212> RNA
<213> Streptococcus pyogenes

<220>
<221> misc_feature
<222> (29)...(80)
<223> n = g, a, c or t/u

<400> 338
tgaattcaat aatgacatac ttatttatng ctgtgaatnt ggnnccgcagc gtctctacaa 60
gacanccntt aantgtctan acaataagta agcttttagg cttgc 105

<210> 339
<211> 105
<212> RNA
<213> Streptococcus pneumoniae

<220>
<221> misc_feature
<222> (29)...(79)
<223> n = g, a, c or t/u

<400> 339
aaaattgaat atcgttttac ttgtttatng tcgtgaatnt ggnnccagc gtttctacaa 60
ggtgncnngg aancacctna acaataagta agtcagcagt gagat 105

<210> 340
<211> 105
<212> RNA
<213> Thermoanaerobacter tengcongensis

<220>
<221> misc_feature
<222> (43)...(80)
<223> n = g, a, c or t/u

<400> 340
aaaaatttaa taagaagcac tcatataatc ccgagaatat ggnctcgga gtctctaccg 60
aacaaccgta aattgttcgn actatgagtg aaagtgtacc taggg 105

<210> 341
<211> 105
<212> RNA
<213> *Bacillus subtilis*

<220>
<221> misc_feature
<222> (43)...(80)
<223> n = g, a, c or t/u

<400> 341
aattaaatag ctattatcac ttgtataacc tcaataatat ggntttgagg gtgtctacca 60
ggaanccgta aaatcctggn attacaaaat ttgtttatga cattt 105

<210> 342
<211> 105
<212> RNA
<213> *Clostridium perfringens*

<220>
<221> misc_feature
<222> (43)...(80)
<223> n = g, a, c or t/u

<400> 342
ataaaaaaat aaattttgct tcgtataact ctaatgatat ggnattagag gtctctacca 60
agaanccgag aantctctgn attacgaaga agcttattt gcttt 105

<210> 343
<211> 105
<212> RNA
<213> *Vibrio vulnificus*

<220>
<221> misc_feature
<222> (50)...(80)
<223> n = g, a, c or t/u

<400> 343
gactttcggc gatcaacgct tcatataatc ctaatgatat ggtttgggan gtttctacca 60
agagncccta aanctcttgn attatgaagt ctgtcgcttt atccg 105

<210> 344
<211> 228
<212> RNA
<213> *Clostridium perfringens*

<220>
<221> misc_feature
<222> (16)...(201)
<223> n = g, a, c or t/u

<400> 344
agugauggua gaggungcga aaaccnnaag naguacnaca gucugagaga aaugnnnnag 60
aaunnnncgu ugacnnnnga cuguuggaaa ggnggggauu cgccgaagug cagaucgggg 120
ncucauuccc nauuugcgcu ggaccuaugu unngaauan agcauagggc ugucacaaca 180
cuagnnnnnc cccaannnnn ncuagugcug uggagaacua ucucacgu 228

<210> 345
<211> 228
<212> RNA
<213> *Vibrio vulnificus*

<220>
<221> misc_feature
<222> (16)...(203)
<223> n = g, a, c or t/u

<400> 345
agugaggua gaggungcaa aaaccnnaag naguannac aauggannn ggannngaau 60
gagannnnuc cguugagaa uugnnngaaa ggngggaau ugccgaagcu ggaagaaunn 120
ncucaunngu ucugaaggcu gguucuguau unnnaaauan aaucagAAC ugucauauag 180
cgnnnnnnng augunnnnnn nnnugcuaua uggagggcua ucucacgc 228

<210> 346
<211> 228
<212> RNA
<213> *Bacillus halodurans*

<220>
<221> misc_feature
<222> (16)...(206)
<223> n = g, a, c or t/u

<400> 346
agauggggua gaggangcgg guuuunnaag nagu aangcg cuugnnnnnn nnngaggau 60
acaacgagga nnnnnnnuaa gcgcncgaaa ggnaaaacu cgccgaagcg ngaagau 120
agucaagncg ucuucuugcu gggguugcau unngaauan aauguaacac ugucacagcn 180
nnnnnnnnna gauunnnnnn nnnnnngcug uggagaacua cuaacguu 228

<210> 347
<211> 228
<212> RNA
<213> *Bacillus subtilis*

<220>
<221> misc_feature
<222> (16)...(205)
<223> n = g, a, c or t/u

<400> 347
ggugaagua gaggungcga ancuucnaag nagu aungcc uuuggagaan agannnnnug 60
gaunnnnnnu cugugaanaa aggcnu gaaa ggnggagcg cgccgaagca aaauaaaccn 120
nccaucnggu auuauuugcu ggccgugcau unngaauan aauguaaggc ugucaagaaa 180
nnnnnnnnnu caunnnnnnn nnnnnuuucu uggagggcua ucucguug 228

<210> 348
<211> 228
<212> RNA
<213> *Clostridium acetobutylicum*

<220>
<221> misc_feature
<222> (16)...(225)
<223> n = g, a, c or t/u

<400> 348
accuuuugua gaggungcuu uaagucnaag naguaanccg uuugnnngag uunnnnnnnng 60
gcannnnnna acuuagauga acggnuaaaa ggnggcuuuu agccgaagca uuugauuunn 120
nggcannnga uuuauuugcu ggcuuuucau annncaacan uaugaauaggc ugucacuuua 180
uuagunnnnu aguunnnnna uuagnguaag uggagcgcua caannngu 228

<210> 349
<211> 228
<212> RNA
<213> *Clostridium perfringens*

<220>
<221> misc_feature
<222> (6)...(208)
<223> n = g, a, c or t/u

<400> 349
aaaganggua gaggcngcga gaaucnnaag nauuanncua aaauggannn guunnnnnnna 60
agunnnnnnag cguagaagu uuaagngaaa ggnggauuau cgccgaagu uuuggcunaa 120
uacuuuaang gcuaaaugcu gggguuguau annngaauan uauacaacac ugucacannn 180
nnnnnnnnnn aaannnnnnn nnnnnnnnnug uggagagcua ucaucuua 228

<210> 350
<211> 229
<212> RNA
<213> *Clostridium perfringens*

<220>
<221> misc_feature
<222> (16)...(207)
<223> n = g, a, c or t/u

<400> 350
gaccaaagua gaggungccg uaauunnaag naguannguc auaaguagcu gacnnnnnnna 60
agunnnnnngu unnuuaugua ugaunngaaa ggnggauuau ggccgaagag auauuaaunn 120
nggugnnnau uaauauuucu ggguaauaugu aunnnnaaun augcauauaa cugucacuuu 180
nnnnnnnnnn gaaannnnnn nnnnnnnnaaa guggagugcu acaagguac 229

<210> 351
<211> 228
<212> RNA
<213> *Clostridium perfringens*

<220>
<221> misc_feature
<222> (16)...(206)
<223> n = g, a, c or t/u

<400> 351
aacugagaua gaggcngcga ugnauunaau naguannucu uugcagaggu nnnnnnnnna 60
agcannnnnn nnauugaagc aaagnugaaa ggnnaugaau cgccgaaacc aunuagaaga 120
ggcuuuuuuu cuauuagguu gggguugcau annngaauan uauguaacac ugucacaaan 180
nnnnnnnnnu uaunnnnnnn nnnnnnuuug uggugugcua ucaugaaa 228

<210> 352
<211> 228
<212> RNA
<213> Escherichia coli

<220>
<221> misc_feature
<222> (16)...(167)
<223> n = g, a, c or t/u

<400> 352
caggccagaa gaggcngcgn unugcccann naguaacggu guuggnnnag gannnnnnng 60
ccagnnnnnu ccugugauaa caccnnnnnu gggggugcau cgccgaggug auugaacgng 120
cuggccancg uucanucauc ggcucacagg gncugaaunn cccugnggu ugucaccaga 180
agcgcucgca gucgggguu ucgcaagugg uggagcacuu cuggguga 228

<210> 353
<211> 228
<212> RNA
<213> Haemophilus influenzae

<220>
<221> misc_feature
<222> (16)...(205)
<223> n = g, a, c or t/u

<400> 353
uacaaaagua gaggcngcaa uuauunnaua naguannuuu uuucagaggu gnnnnnnnnng 60
auaannnnnn cgaagaagaa aaanngaaa ggnnaauagu ugccgaauc aaauaaaann 120
ngucgnnnuu uuguuugguu gguggcgugc ucnngaaang ggngcgacac ugucauaguu 180
nnnnnnnnuu ucugauunnn nnnnnaacua uggagugcua cgguuguu 228

<210> 354
<211> 228
<212> RNA
<213> Oceanobacillus iheyensis

<220>
<221> misc_feature
<222> (16)...(205)
<223> n = g, a, c or t/u

<400> 354
guuuuggaua gaggungcgg agaccnnauc naguannuau acgcggannn agggnnnaaa 60
ugagnnnccc uagugaagcg uaugnngaaa ggngngaau ucgcgaagcg agunngaaa 120
acucauucuu uanacucguu ggugcugcua uunngaacaa auaacagucc ugucauauag 180
nnnnnnnnng agannnnnnn nnnnncuaua uggagggcua ucgagcug 228

<210> 355
<211> 228
<212> RNA
<213> *Oceanobacillus iheyensis*

<220>
<221> misc_feature
<222> (16)...(206)
<223> n = g, a, c or t/u

<400> 355
ucggugggua gaggangcau acaacnnauu naguannauc gacnnnnnnn naagaggau 60
acaacgauga uannnnnnngu uggunnggaa ggngguuguu ugccgaagca nuaauaagnn 120
ggucagancu uauuauugcu gguacaucuu unnnngaauan aaagaugcac ugucaugcan 180
nnnnnnnnnaa auuaagnnnn nnnnnnugca uggagaacua cugaucga 228

<210> 356
<211> 228
<212> RNA
<213> *Pasteurella multocida*

<220>
<221> misc_feature
<222> (16)...(206)
<223> n = g, a, c or t/u

<400> 356
uacuugugua gaggangcga ucacunnaua naguannuuu uuucugagnu gnnnnnnnnng 60
auaannnnnnn cgaagaggaa aaagnngaaa ggngnagugac cgccgaaauc aaugaaaann 120
ngucannnnuu uugauugguu gguggcguau ucnnгааang ganacgucau ugucauagun 180
nnnnnnnnncu uuuuuuannn nnnnnnacua uggagcgcua cugguugg 228

<210> 357
<211> 228
<212> RNA
<213> *Staphylococcus aureus*

<220>
<221> misc_feature
<222> (16)...(205)
<223> n = g, a, c or t/u

<400> 357
auauuuugau gaggcngcau canaucnaug naguannaag uuuagannuu annnnnncug 60
ucugcnnnnn uaacagcuga auuunngaaa ggngngugcga ugccgaagcg anuuauaaun 120
nagcannngu uauuuuuguu ggacuuuuug gunnuagag cungagagu ugucauuauu 180
nnnnnnnnnn uaaannnnnn nnnnnaauaa uggagugcau cacuugua 228

<210> 358
<211> 228
<212> RNA
<213> *Staphylococcus aureus*

<220>
<221> misc_feature
<222> (26)...(223)
<223> n = g, a, c or t/u

<400> 358
aaugaguua gagguugcau guuuannauu naguannacu ugunnnnnca gaaguauuuu 60
ugguacauaa guugannnac aagunngaaa ggnnuaaaga ugccgaaaua gauauaanna 120
ccauaaannu uauaucuauu gggacaguuu unncgaauan ggaacuguac ugucacannn 180
nnnnnnnnnn gaannnnnnn nnnnnnnnug ugaugugcua ncncuuau 228

<210> 359
<211> 228
<212> RNA
<213> *Staphylococcus epidermidis*

<220>
<221> misc_feature
<222> (16)...(206)
<223> n = g, a, c or t/u

<400> 359
agauuuugau gaggcngcau canaucnaug naguannaac uuuagauaau uugnnnnucug 60
cuaannnnca anuuannuag aguunnaaaa ggngnugaga ugccgaaaug auucauaaun 120
nagcannguu augaaucguu ggacuuaaug gunnuaagag cuaunaaguug ugucauuauu 180
nnnnnnnnna uuaannnnnn nnnnnnauaa uggagugcau cacuugua 228

<210> 360
<211> 228
<212> RNA
<213> *Staphylococcus epidermidis*

<220>
<221> misc_feature
<222> (26)...(223)
<223> n = g, a, c or t/u

<400> 360
aaugaguua gagguugcau uauuannaug nacuannacu uaunnnnnca gaagucguau 60
gggacaugug uugannnnau aagunngaaa ggnnuaauaa ugccgaaaug auguuanuuu 120
nccaunaaau uagcauuguu gggacaacuu unncgaauan gaaguuguac ugucacnnnn 180
nnnnnnnnnn uuuannnnnn nnnnnnnnug ugaugugcua ncncuuau 228

<210> 361
<211> 228
<212> RNA
<213> *Shigella flexneri*

<220>

<221> misc_feature

<222> (16)...(167)

<223> n = g, a, c or t/u

<400> 361

```
caggccagaa gaggcngcgn unugcccann naguaacggu guuggnnnnag gannnnnnng 60
ccagnnnnnu ccugugauaa caccnnnuga gggggugcau cgccgaggug auugaacgng 120
cuggccancg uucanucauc ggcuacaggg gncugaaunn cccugnggu ugucaccaga 180
agcguucgca gucgggcguu ucgcaagugg uggagcacuu cuggguga 228
```

<210> 362

<211> 228

<212> RNA

<213> *Shewanella oneidensis*

<220>

<221> misc_feature

<222> (16)...(208)

<223> n = g, a, c or t/u

<400> 362

```
aggaacagaa gaggangcgu uaancunann ngguannnguc aaucagannn ggagnnnnca 60
caaanncuc cagcgaugau ugaunnnngag ggnagauuag cgccgaggca uagaugugnn 120
guugcugnca uguuuauuguc ggucgcuuag gncugaaunn nccuaacgau ugucaccnnn 180
nnnnnnnnnu guaaunnnnn nnnnnnnngg uggagagcuu cuggugac 228
```

<210> 363

<211> 228

<212> RNA

<213> *Shewanella oneidensis*

<220>

<221> misc_feature

<222> (16)...(206)

<223> n = g, a, c or t/u

<400> 363

```
ccuuuaagua gaggcngcgc ugccunnaug nacuanncuu gugcgnnnnn nnngagggug 60
augccgcaga nnnnnnugua caagnngaaa ggnnagucag cgccgaagua gncaggunn 120
caucaannna ccgagcngcu gguuuugcau ncaaauagnn ngugcaagac ugccauagun 180
nnnnnnnnnc auccnnnnnn nnnnnnacua uggagcgcuu ccugaagg 228
```

<210> 364

<211> 228

<212> RNA

<213> *Thermatoga maritima*

<220>

<221> misc_feature

<222> (8)...(204)

<223> n = g, a, c or t/u

<400> 364
gacccgancg gaggcngcgc ccgagnnaug naguannngc ugucccnnnn nnnnaucagg 60
ggaggaaucg nnnnnngggac ggcunngaaa ggncgcaggg cgccgaaggn gugcagaguu 120
ccucccngcu cugcaugccu ggggguaugg gnnngaauan ccacauaccac ugucacggag 180
gnnnnnnnnn ucnnnnnnnn nnnnucuccg uggagagccg aucggguc 228

<210> 365
<211> 228
<212> RNA
<213> Thermoanaerobacter tengcongensis

<220>
<221> misc_feature
<222> (16)...(201)
<223> n = g, a, c or t/u

<400> 365
aggugaggua gaggcngcgg gucaucnaag naguannaca ugccagannn ggunnnnguua 60
aggnnnnnngc cgaugaaggu gugunngaaa ggnggugncc cgccgaagcn gcguaaacuu 120
nccuuaaggu uuacgcagcu gggccuaucc cnnngaacan gguauaggac ugucacugaa 180
ggcunnnnnnc ccannnnnnn nggccuucag uggagagcua ucucgcua 228

<210> 366
<211> 228
<212> RNA
<213> Thermoanaerobacter tengcongensis

<220>
<221> misc_feature
<222> (16)...(205)
<223> n = g, a, c or t/u

<400> 366
cgcauaaaaua gaggangcug ccaagcnaun nnguauuugg cgagguguua aggagaagaa 60
ccuccnnnnn nnaauancuc gcugnaagaa ggnnuuuuggc ugccgaaagg gugagcuugn 120
nuucunnuga gcucauccuu ggugguaaac nnnacaaann nguuaaccac ugucauggga 180
nnnnnnnnnn ccnnnnnnnn nnnnnuccca ugaagcgcua uuuauagca 228

<210> 367
<211> 228
<212> RNA
<213> Vibrio cholerae

<220>
<221> misc_feature
<222> (16)...(206)
<223> n = g, a, c or t/u

<400> 367
ucuagcagaa gaggangcac ugnccccagg cagnauguuu uguggannnn nnnngccuca 60
acuccaaunn nnnnnnnnac agaacauuca gggggaguag ugccgaggug aaucaaaguu 120
ngunnnngcu uugguuuuau gguugaacgg gncugaauun ccnuucaac ugucaucagn 180
nnnnnnnnncu cgaaunnnnn nnnnnncuga ugaagagcuu cugagggga 228

<210> 368
<211> 228
<212> RNA
<213> *Vibrio cholerae*

<220>
<221> misc_feature
<222> (16)...(223)
<223> n = g, a, c or t/u

<400> 368
uuucgccgua gaggangcgg uuacgnnaaa naguannucc acaguunnnn nnnnggggug 60
augccaaugn nnnnnnaauug uggannaaaa ggnnccguugc cgccgaaguc aacuugcnnc 120
caucaacnng cnaguuggcu gggguuacau unnncaauan gguguaacac ugccauagun 180
nnnnncuaua uuguuguuaa nnnnnnacua uggagcgcua cnnuguag 228

<210> 369
<211> 228
<212> RNA
<213> *Vibrio cholerae*

<220>
<221> misc_feature
<222> (7)...(207)
<223> n = g, a, c or t/u

<400> 369
cuuuaangua gaggcngcgc uguucnnaug nagucgncca gucgunnnnn nnnnagguug 60
accccgaugn nnnnnnauga cuggnuuaaa ggngguacag cgccgaagug aucguugnnn 120
cgucaunnnc aacguucgcg gggccagcau unnnngaacan aaugccggac ugccauagnn 180
nnnnnnnnnug uguugunnnn nnnnnnncau uggagcgcua ccuugaag 228

<210> 370
<211> 228
<212> RNA
<213> *Vibrio vulnificus*

<220>
<221> misc_feature
<222> (16)...(204)
<223> n = g, a, c or t/u

<400> 370
uuuugcagaa gaggangcac ugnncccagg cagnauguuu uguggannnn nnnngccgca 60
acuccaacnn nnnnnnnnac agaacauuca ggggggaguag ugccgaggua gaucaaaaau 120
ngcanngauu ungaucuguc gguugacuug gguugagunc ccannucaac ugucaucagc 180
nnnnnnnnnn ucannnnnnn nnnngccuga ugaagagcuu cugagaug 228

<210> 371
<211> 228
<212> RNA
<213> *Vibrio vulnificus*

<220>
<221> misc_feature
<222> (16)...(206)
<223> n = g, a, c or t/u

<400> 371
uau cgacgua gaggcngcaa uggnuanaag naguannacu auuauunnnn nnnnggggug 60
augccaaugn nnnnnaauaa uagunngaaa ggnuauccau ugccgaagug aaugcnnna 120
uaucaaan nn gcaguuugcu gggguugcau ccnngaaaang gaancaacac ugccauagun 180
nnnnnnauuu aauguauann nnnnnnacua uggagcgcua cuguaggu 228

<210> 372
<211> 486
<212> RNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:/Note=Synthetic
construct

<220>
<221> misc_feature
<222> (1)...(486)
<223> n = g, a, c or t/u

<220>
<221> misc_feature
<222> 28, 54, 61, 145, 161, 170, 171, 207, 208, 213, 216, 217,
219, 220, 309, 309-313
<223> r = a or g

<220>
<221> misc_feature
<222> 9, 27, 37, 50, 70, 152, 203, 204, 271-275, 320
<223> y = c or t

<400> 372
nnnnnnnnnc ttatcnagag nnnnggyrga gggannyngg nnnncccnny ganrccnnnc 60
rgcaacnnny nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120
nnnnnnnnnn nnnnnnnnnn nnnnrngtg cyaantnccn rnnnnnnncar rnnnnnnnnn 180
nnnnnnnnnn nnnnnnnnnn nnyytgrrag atragrrnrr nnnnnnnnnn nnnnnnnnnn 240
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn yyyyynnnnn nnnnnnnnnn nnnnnnnnnn 300
nnnnnnnnnr rrrnntttty nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 360
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 420
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 480
nnnnnnn 486

<210> 373
<211> 504
<212> RNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:/Note=Synthetic
construct

<220>
 <221> misc_feature
 <222> (1)...(504)
 <223> n = g, a, c or t/u

<220>
 <221> misc_feature
 <222> 75, 98, 128, 136, 139, 151, 156, 161, 297, 479, 486
 <223> r = a or g

<220>
 <221> misc_feature
 <222> 29, 94, 143, 298, 379, 387, 474, 476, 482
 <223> y = c or t

<400> 373
 nnnnnnnnnnn nnnnnnnnnnn nnggunnnyn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn 60
 nnnnnnnnnnn nnnnnnnnnnn aannngggaa nnnnyggurnn nnnnnnnnnnn nnnnnnnnnnn 120
 nnnnnnnnnnn nnnccrnnrc ngyncccgcn rcngurannn nnnnnnnnnnn nnnnnnnnnnn 180
 nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn 240
 nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnryca 300
 cugnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn 360
 nnnnnnnnnnn nnnnnnnnnnn ggaaggynnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn 420
 nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnnnnnnnnn nnnynynnnra 480
 gycnragrac cngccnnnnn nnnnn 504

<210> 374
 <211> 83
 <212> RNA
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence:/Note =
 synthetic construct

<220>
 <221> misc_feature
 <222> (1)...(83)
 <223> n = g, a, c or t/u

<220>
 <221> misc_feature
 <222> 74, 76
 <223> r = a or g

<220>
 <221> misc_feature
 <222> 13, 71
 <223> w = a or t/u

<220>
 <221> misc_feature
 <222> 10, 42, 70, 73
 <223> y = c or t

<400> 374
nnnnnnnnny ntwtannnnn nnnnatnngg nnnnnnnngt nyctacnnnn nnnccnnnaa 60
nnnnnnnnny wayrnnnnn nnn 83

<210> 375
<211> 238
<212> RNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:/Note =
Synthetic construct

<220>
<221> misc_feature
<222> (7)...(233)
<223> n = g, a, c or t/u

<220>
<221> misc_feature
<222> 234, 237
<223> r = a or g

<220>
<221> misc_feature
<222> 209
<223> y = c or t

<400> 375
ctgagannnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 60
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 120
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 180
nnnnnnnnnn nnnnnnnnnn nnnnnnacyt gannnnngnt nnnncnnnnn cgnrggra 238

<210> 376
<211> 221
<212> RNA
<213> Bacillus subtilis

<220>
<221> misc_feature
<222> 25
<223> k = g or t/u

<220>
<221> misc_feature
<222> (7)...(217)
<223> n = g, a, c or t/u

<220>
<221> misc_feature
<222> 24, 78, 79, 81, 96, 97, 213
<223> r = a or g

<220>
<221> misc_feature
<222> 153
<223> v = g, c or a

<220>
<221> misc_feature
<222> 1, 214, 220
<223> w = a or t/u

<220>
<221> misc_feature
<222> 169, 221
<223> y = c or t

<400> 376
wagaggngcn nnnnnnnnna nnnrktannn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn 60
nnnnnnnnnn nnnnnnnrrg rnnnnnnnnn nccgarrnnn nnnnnnnnnn nnnnnnnnnn 120
nnnnnnnnnn nnnnnnnggn nnnnnnnnnn nnvaannnnn nnnnnnnnyt gtcannnnnn 180
nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn tgrwgnnctw y 221

<210> 377
<211> 54
<212> RNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence:/Note =
Synthetic construct

<220>
<221> misc_feature
<222> (1)...(54)
<223> n = g, a, c or t/u

<400> 377
nntannnnnn nnatnngggn nnnnngtntc tacnnnnnnn cnnnaannnn nnnn 54